DC-DC Converters

Isolated single, dual & triple output

- *<1W to 300W+*

Point-of-Load

- *1A to 30A*

CONTAINS muRata INNOVATION

muRata Ps
Murata Power Solutions

About Murata Power Solutions

We are the #1 supplier of board mount power and among the top suppliers of overall power electronics. From 0.25W isolated converters to 2100W front-end power supplies, along with filtering and isolation solutions, our current offering exceeds 3,500 standard models developed in our design and manufacturing centers located in the US, Canada, England, Japan and China.

Murata's worldwide network of Technical Sales Managers, FAEs, Customer Support and industry-leading Distributors, reliably support the power requirements of local and global manufacturers of telecommunications equipment, data management systems, industrial controls, transportation electronics, energy systems, and more.

Our DC-DC Converters

This catalog provides specifications for our entire offering of:

Point-of-Load Converters

- DOSA compatible designs
- OKAMI, the new breed of DC/DCs

Isolated DC to DC Converter Products

- Single, dual, triple and quad output
- Power from 0.25 to 340 Watts; Currents from 0.02 to 80 Amps

Bricks

- DOSA compliant 1/32 to full size
- 1 x 1" and 2 x 2" encapsulated

To sum it all up for you, Murata Power Solutions delivers:

- ☑ Innovation and reliability
- ☑ The largest variety of industry-standard DC/DCs
- ☑ Modified-standards and custom design expertise

Your preferred power partner . . . delivering innovative solutions you can rely on . . . again and again.

Contents

How to use this databook

Products are listed according to output voltage.

1 ***Find*** your **output voltage** from the product data tables.

– or –

2 ***Refer*** to ***Quick Selection Guides*** for

- **Output power** (isolated)
- **Output current** (PoLs)

3 ***Choose*** the ideal product series for your application.

Visit murata-ps.com
for data sheets and complete specifications.

Point-of-Load

Non-Isolated DC DC Converter Series

Murata Power Solutions offers more non-isolated, point-of-load (PoL) DC/DCs, in standard packages and pinouts, than any other company.

Our PoL output voltages range from 0.75 to 6V at current levels from 2 to 50A. Input voltages are centered around traditional 3, 5 and 12V levels, with some devices operating from 7.5 to 40V. Standard packages include SMT and SIP models.

The newest Okami SMT and SIP models offer user programmable outputs (0.6-15.5V) while operating from wide-range inputs (2.4-5.5V, 2.9-14V, 4.5-14V, 6-14V, 8.3-14V, 9-32V, 16-40V, or 19-40V). For many applications, they can be genuine "one-size-fits-all" solutions.

PoLs may be powered from AC to DC converters and DC to DC regulators, among other design options. Also, many designers find them a quick, cost-effective solution when isolation is not required and in-house designs are too expensive and time consuming.

User programmable output voltages

Part Number* *Note: Root part numbers may be shown. Please refer to datasheets for available options.*	Output Characteristics			Input Voltage			Efficiency	Package				Package Dimensions						Datasheet *Available at www.murata-ps.com*
	Rated Output Current	Rated Output Voltage	Total Output Power	Nom.	Min.	Max.		SM	TH	DIP	SIP	*Inches*			mm			
												L	*W*	*H*	L	W	H	
OKL-T/1-W12x-C	**1A**	0.9-5.5V	5W	12V	2.9V	14V	90%	•				*0.49*	*0.18*	*0.49*	12.4	4.57	12.4	OKL-T/1-W12
OKR-T/1.5-W12-C	**1.5A**	0.591-6V	7.5W	12V	4.5V	14V	93%				•	*0.41*	*0.24*	*0.40*	10.4	6.1	10.16	OKR-T/1.5-W12
OKL-T/3-W5x-C	**3A**	0.6-3.63V	9.9W	5V	2.4V	5.5V	95%	•				*0.48*	*0.24*	*0.48*	12.2	6.2	12.2	OKL-T/3-W5
OKL-T/3-W12x-C		0.591-5.5V	15W	12V	4.5V	14V	93%	•				*0.48*	*0.24*	*0.48*	12.2	6.2	12.2	OKL-T/3-W12
OKL-T/6-W5x-C	**6A**	0.6-3.3V	19.8W	5V	2.4V	5.5V	94%	•				*0.48*	*0.28*	*0.48*	12.2	7.2	12.2	OKL-T/6-W5
OKL-T/6-W12x-C		0.591-5.5V	30W	12V	4.5V	14V	93%	•				*0.48*	*0.28*	*0.48*	12.2	7.2	12.2	OKL-T/6-W12
OKX-T/3-D12-C	**3A**	0.75-5.5V	15W		8.3V						•	*0.40*	*0.09*	*0.28*	10.16	22.9	7.2	OKX-T/3-D12
OKY-T/3-D12x-C								•				*0.47*	*0.082*	*0.28*	11.9	20.8	7.0	OKY-T/3, T/5-D12
OKX-T/5-D12-C	**5A**		25W								•	*0.40*	*0.09*	*0.28*	10.16	22.9	7.2	OKX-T/5-D12
OKY-T/5-D12x-C								•				*0.47*	*0.082*	*0.28*	11.9	20.8	7.0	OKY-T/3, T/5-D12
OKX-T/3-W5-C	**3A**	0.7525-3.63V	9.9W	5V	2.4V	5.5V	94%				•	*0.40*	*0.09*	*0.28*	10.16	22.9	7.2	OKX-T/3-W5
OKY-T/3-W5x-C								•				*0.47*	*0.082*	*0.28*	11.9	20.8	7.0	OKY-T/3, T/5-W5
OKX-T/5-W5-C	**5A**		16.5W								•	*0.40*	*0.09*	*0.28*	10.16	22.9	7.2	OKX-T/5-W5
OKY-T/5-W5x-C								•				*0.47*	*0.082*	*0.28*	11.9	20.8	7.0	OKY-T/3, T/5-W5
OKY-T/10-D12x-C	**10A**	0.7525-5.5V	50W	12V	8.3V	14V	95%	•				*0.53*	*0.33*	*1.3*	33	8.4	33	OKY-T/10, T/16-D12
OKY-T/16-D12x-C	**16A**		80W				94%	•				*0.53*	*0.33*	*1.3*	33	8.4	33	
OKY-T/10-W5x-C	**10A**	0.7525-3.63V	33W	5V	2.4V	5.5V	95%	•				*1.3*	*0.33*	*0.53*	13.5	8.3	13.5	OKY-T/10, T/16-W5
OKY-T/16-W5x-C	**16A**		52.8W					•				*1.3*	*0.33*	*0.53*	13.5	8.3	13.5	
LSM2-T/30-D12R-C	**30A**	0.8-5V	125W	12V	6V	14V	94%	•				*0.53*	*0.36*	*1.3*	33	9.1	33	LSM2-T/30-D12
OKX-T/10-D12x-C	**10A**	0.7525-5.5V	50W		8.3V		95%				•	*0.5*	*0.37*	*2*	50.8	9.4	50.8	OKX-T/10, T/16-D12
OKX-T/16-D12x-C	**16A**		80W				94%				•	*0.5*	*0.37*	*2*	50.8	9.4	50.8	
OKX-T/10-W5x-C	**10A**	0.7525-3.63V	33W	5V	2.4V	5.5V	96%				•	*2*	*0.5*	*0.37*	9.4	12.7	9.4	OKX-T/10, T/16-W5
OKX-T/16-W5x-C	**16A**		52.8W				95%				•	*2*	*0.5*	*0.37*	9.4	12.7	9.4	
OKR-T/3-W12-C	**3A**	0.591-6V	15W	12V	4.5V	14V	93%				•	*0.65*	*0.22*	*0.41*	10.4	5.6	10.4	OKR-T/3-W12
OKR-T/6-W12-C	**6A**		30W				96%				•	*0.65*	*0.3*	*0.41*	10.4	7.6	10.4	OKR-T/6-W12
OKR-T/10-W12-C	**10A**		50W				92%				•	*0.65*	*0.3*	*0.41*	10.4	7.6	10.4	OKR-T/10-W12
OKI-T/3-W32x-C	**3A**	0.7525-4.5V	13.5W	24V	9V	32	89%	•				*0.82*	*0.34*	*0.47*	11.9	8.5	11.9	OKI-T/3-W32
OKI-T/3-W40x-C		0.7525-5.5V	15W		16V	40V	88%	•				*0.82*	*0.34*	*0.47*	11.9	8.5	11.9	OKI-T/3-W40
OKI-T/36W-W40x-C		5.021-15.5V	36W		19V		95%	•				*0.82*	*0.34*	*0.47*	11.9	8.6	11.9	OKI-T/36W-W40

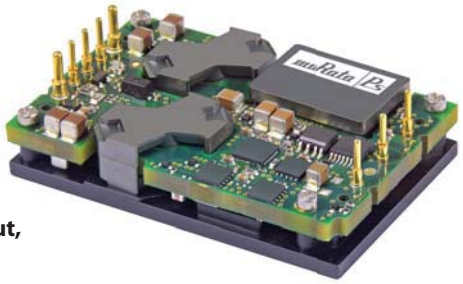
***x = N (negative) or P (positive) polarity**

OKI-78SR Series fixed output voltages

OKI-78SR3.3/1.5-W36-C	**1.5A**	3.3V	4.95W	24V	7V	36V	86%				•	*0.65*	*0.3*	*0.41*	16.5	7.62	10.4	OKI-78SR
OKI-78SR3.3/1.5-W36H-C											•	*0.65*	*0.3*	*0.41*	16.5	7.62	10.4	
OKI-78SR5/1.5-W36-C		5V	7.5W				91%				•	*0.65*	*0.3*	*0.41*	16.5	7.62	10.4	
OKI-78SR5/1.5-W36H-C											•	*0.65*	*0.3*	*0.41*	16.5	7.62	10.4	

Single Output

Isolated DC to DC Converter Series



Power from 0.25 to 300 Watts; currents from 0.02 to 80 Amps; voltages from 1.2 to 96 Volts; inputs from 3 to 75 Volts . . . Murata Power Solutions offers the broadest line of single-output, isolated DC/DC converters in the entire power industry . . . without a doubt.

Our low-power encapsulated products (mini SIPs, DIPs and SMDs) are among the smallest available. Many use contemporary ceramic-substrates and copper-lead-frame technologies to achieve their small size.

At the other extreme, our high-power 1/32, 1/16, 1/8, 1/4, and 1/2 bricks are open-frame assemblies using multi-layer, heavy-copper pc boards and planar magnetics. Their high efficiencies enable full-power operation to high ambient temperatures, and optional baseplates deliver the best thermal performance in the industry.

If you can't find the DC/DC power solution you need in the tables below, contact us, and we'll develop one for you.

Quick Selection Guide Listed by output power

	Output Voltages							Series
	3.3V	5V	6V	9V	12V	15V	24V	
<1W		•		•	•	•		LME
		•		•	•	•		NMF
1-2W	•	•		•	•	•		MEE1
		•		•	•	•		MER1
		•		•	•	•		MEV1
	•	•	•	•	•	•		MTE1
		•		•	•	•		MTU1
	•	•		•	•	•		NKE
		•		•	•	•	•	NME
	•	•		•	•	•		NMJ
		•			•	•		NMR
		•		•	•	•		NMV
	•	•	•	•	•	•		NTE
		•			•	•		NTF
		•			•	•		PWR13XXC
2-3W				•				LP02U
		•		•	•	•		NDL
	•	•		•	•	•		MEJ2
		•		•	•	•		NMG
		•		•	•	•		NMK
		•		•	•	•		NML
		•			•	•		UST *3W*
3-4W		•		•	•	•		MEE3
		•		•	•	•		MEV3
	•	•			•	•		NDTS
	•	•		•	•	•		NDY
		•			•			UWR *3W*
		•			•	•		HB04UC
5W		•			•	•		UWR *5W*

	Output Voltages												Series
	1.2V	1.5V	1.8V	2.5V	3.3V	5V	5.2V	12V	15V	24V	96V		
6-10W					•	•		•	•				NCS6
						•		•	•				NDS6
						•	•	•	•				UWR *6-10W*
												•	UWR 9.6W
10-15W					•	•		•	•				NPH10
					•								UWR *14-20W*
					•	•		•	•				UWR *15W*
15-18W					•	•		•	•				NPH15
								•		•			RUW15
					•	•		•	•				UEI15
					•	•	•	•	•				UWR *14-20W*
18-25W					•	•		•					UEI25
				•	•	•		•	•				UHE *12-30W*
						•		•	•				UWR *14-20W*
25-35W					•	•		•	•				NPH25
	•												UCE
					•	•		•	•				UEI30
					•			•	•				ULS-30W
					•	•		•					ULT
					•	•							UWR *26-40W*
35-50W					•								UCE
	•	•											UCQ
					•				•				UEI *50-60W*
					•								UEE
					•								ULQ
					•								UWS

	Output Voltages																			Series
	1.2V	1.5V	1.8V	2.5V	3.3V	5V	8.3	12V	15V	18V	24V	28V	29V	48V	53V	54V				
50-75W		•	•	•		•		•												UCE
			•																	UCQ
					•	•		•	•											UEI *50-60W*
				•	•	•		•						•						ULE
					•															ULQ
					•	•		•												ULS
		•																		UVQ
					•	•		•	•											UWE
						•		•												UWS
75-100W					•	•		•												UCE
				•	•	•		•												UCQ
					•															UEE
						•		•												ULQ
					•	•		•												ULS *100W*
					•	•		•	•		•									UQQ
				•	•			•												UVQ
					•	•														UWE *100-120W*
100-120W								•												UCE
					•				•											UCQ
						•		•			•									UCR
				•	•	•		•		•	•			•						UVQ
								•												UWE *100-120W*
120-240W																•				EMH
					•															HPQ *165W*
							•													HPQ *182.6W*
													•							PAQ
								•												RBE
								•												ULQ
								•												UWQ
240-300W								•												HPQ *300W*
300-450W												•								PAH *350W*
												•								PAH *450W*
														•	•					PAH *450W*
								•												RBQ

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									*Inches*			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
1.2V	**30A**	**36W**	48V	36V	75V	2.25kV	83%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-1.2/30-D48N-C	UCQ
1.5V	**20A**	**30W**	48V	36V	75V	2.25kV	87%			•				•			*2.3*	*0.9*	*0.37*	58.4	22.9	9.4	UCE-1.5/20-D48N-C	UCE
	25A	**37.5W**	48V	36V	75V	2.25kV	83%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-1.5/25-D48N-C	UCQ
	40A	**60W**	48V	36V	75V	2.25kV	86%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-1.5/40-D48N-C	UCQ
			24V	18V	36V	2kV	88%				•			•			*2.3*	*1.45*	*0.42*	58.4	36.8	10.7	UVQ-1.5/40-D24P-C	UVQ
1.8V	**30A**	**54W**	48V	36V	75V	2.25kV	88%			•				•			*2.3*	*0.9*	*0.37*	58.4	22.9	9.4	UCE-1.8/30-D48N-C	UCE
							86%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-1.8/30-D48N-C	UCQ
2.5V	**20A**	**50W**	48V	36V	75V	2.25kV	88%			•				•			*2.3*	*0.9*	*0.37*	58.4	22.9	9.4	UCE-2.5/20-D48	UCE
										•			•	•			*2.3*	*0.9*	*0.41*	58.4	22.9	10.4	ULE-2.5/20-D48N-C	ULE
	30A	**75W**	48V	36V	75V	2.25kV	87%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-2.5/30-D48N-C	UCQ
	35A	**87.5W**	24V	18V	36V	2kV	88%				•			•			*2.3*	*1.45*	*0.42*	58.4	36.8	10.7	UVQ-2.5/35-D24P-C	UVQ
	40A	**100W**	24V	18V	36V	2.25kV	84%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-2.5/40-D24P-C	UCQ
			48V	36V	75V	2.25kV	91%				•			•			*2.3*	*1.45*	*0.42*	58.4	36.8	10.7	UVQ-2.5/40-D48N-C	UVQ
3.3V	**0.3A**	**1W**	3.3V	2.97V	3.63V	1kV	76%								•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	MEE1S0303DC	MEE1
																•	*0.24*	*0.45*	*0.39*	6	11.5	10	MEE1S0303SC	
							78%						•				*0.5*	*0.43*	*0.27*	12.7	11	7.05	MTE1S0303MC	MTE1
							73%						•				*0.30*	*0.5*	*0.26*	7.7	12.7	6.6	NTE0303MC	NTE
						3kV	75%							•	•		*0.39*	*0.45*	*0.21*	9.8	11.5	5.4	NKE0303DC	NKE
														•		•	*0.24*	*0.45*	*0.29*	6	11.5	7.5	NKE0303SC	
						5.2kV	66%							•		•	*0.39*	*0.77*	*0.49*	9.8	19.5	12.5	NMJ0303SAC	NMJ
			5V	4.5V	5.5V	1kV	76%								•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	MEE1S0503DC	MEE1
																•	*0.24*	*0.45*	*0.39*	6	11.5	10	MEE1S0503SC	
							79%						•				*0.5*	*0.43*	*0.27*	12.7	11	7.05	MTE1S0503MC	MTE1
						3kV	75%							•	•		*0.39*	*0.45*	*0.21*	9.8	11.5	5.4	NKE0503DC	NKE
														•		•	*0.24*	*0.45*	*0.29*	6	11.5	7.5	NKE0503SC	
						5.2kV	64%							•		•	*0.39*	*0.77*	*0.49*	9.8	19.5	12.5	NMJ0503SAC	NMJ
						1kV	74%						•				*0.30*	*0.5*	*0.26*	7.7	12.7	6.6	NTE0503MC	NTE
	0.606A	**2W**	3.3V	2.97	3.63	5.2kV	70%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S0303SC	MEJ2
			5V	4.5V	5.5V									•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S0503SC	
			12	10.8V	13.2V		73%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S1203SC	
	0.9A	**3W**	5V	4.5V	9V	1kV	63%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS0503C	NDTS
			12V	9V	18V	1kV	71%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS1203C	
			24V	18V	36V	1kV	71%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS2403C	
							70%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY2403C	NDY
			48V	36V	72V	1kV	71%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS4803C	NDTS
														•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY4803C	NDY
	1.52A	**6W**	12V	9V	36V	1.5kV	78%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6S1203C	NCS6
			48V	18V	75V	1.5kV	76%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6S4803C	
	2.94A	**10W**	24V	18V	36V	1.5kV	79%							•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S2403EIC	NPH10S
														•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S2403IC	
			48V	36V	75V	1.5kV	80%							•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S4803EIC	
														•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S4803IC	
	4.25A	**14W**	5V	4.7V	7.5V	1.5kV	77%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-3.3/4250-D5-C	UWR14-20W
			12V	10V	18V	1.5kV	86%							•			*2*	*1*	*0.49*	50.8	25.4	12.5	UWR-3.3/4250-D12A-C	UWR15WA
			24V	18V	36V	1.5kV	87%							•			*2*	*1*	*0.49*	50.8	25.4	12.5	UWR-3.3/4250-D24A-C	
			48V	36V	75V	1.5kV	87%							•			*2*	*1*	*0.49*	50.8	25.4	12.5	UWR-3.3/4250-D48A-C	
	4.4A	**15W**	24V	18V	36V	1.5kV	81%							•	•		*1*	*2*	*0.39*	25	50	10	NPH15S2403EIC	NPH15S
														•	•		*1*	*2*	*0.39*	25	50	10	NPH15S2403IC	
			48V	36V	75V	1.5kV	83%							•	•		*1*	*2*	*0.39*	25	50	10	NPH15S4803EIC	
														•	•		*1*	*2*	*0.39*	25	50	10	NPH15S4803IC	
	4.5A	**14.9W**	24V	9V	36V	1.5kV	87.5%							•			*1.1*	*0.96*	*0.36*	27.9	24.4	9.1	UEI15-033-Q12P-C	UEI 15W
	4.85A	**16W**	24V	9V	36V	1.5kV	79%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-3.3/4850-D12-C	UWR14-20W
			48V	18V	75V	1.5kV	80%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-3.3/4850-D48-C	
	5A	**16.5W**	48V	18V	75V	1.5kV	88%							•			*1.1*	*0.96*	*0.36*	27.9	24.4	9.1	UEI15-033-Q48NR-C	UEI15W

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								*Inches*			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
3.3V																							
	7.3A	**25W**	24V	18V	36V	1.5kV	81%							•	•		*1.38*	*1.97*	*0.39*	35	50	10	NPH25S2403EIC	NPH25S
														•	•		*1.38*	*1.97*	*0.39*	35	50	10	NPH25S2403IC	
			24V	9V	36V	1.5kV	88%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-3.3/7500-Q12-C	UHE12-30W
			48V	18V	75V		89.5%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-3.3/7500-Q48-C	
	7.5A	**24.75W**		36V		1.5kV	85.5%	•					•	•			*0.92*	*0.75*	*0.35*	23.4	19.1	8.9	ULT-3.3/7.5-D48	ULT
							91%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-3.3/7500-D48-C	UHE12-30W
		25W				2.25kV	895%							•			*1.1*	*0.32*	*0.96*	27.9	8.13	24.4	UEI25-033-D48	UEI25
	8A	**26.4W**	12V	10V	18V	1.5kV	87.5%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-3.3/8-D12A-C	UWR26-40W
			48V	36V	75V	2.25kV	90%		•								*0.9*	*1.3*	*0.36*	22.9	33	9.14	ULS-3.3/8-D48	ULS-30W
	9A	**29.7W**	24V	9V	36V	2.25kV	89%							•			*1.92*	*0.35*	*0.92*	48.8	8.9	23.4	UEI30-033-Q12P-C	UEI30
				18V		1.5kV	88.5%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-3.3/9-D24A-C	UWR26-40W
			48V		75V	2.25kV	89.5%							•			*1.92*	*0.35*	*0.92*	48.8	8.9	23.4	UEI30-033-Q48N-C	UEI30
				36V		1.5kV	88.5%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-3.3/9-D48A-C	UWR26-40W
	10A	**33W**	24V	18V	36V	2.25kV	89%					•		•			*2.4*	*2.3*	*0.4*	61	58.4	10.2	UCH-3.3/10-D24P-C	UCH
			48V	36V	75V	2.25kV						•		•			*2.4*	*2.3*	*0.4*	61	58.4	10.2	UCH-3.3/10-D48N-C	
	15A	**49.5W**	24V	9V	36V	1.5kV	87.5%							•			*1.95*	*1.55*	*0.375*	49.5	39.4	9.5	UEI-3.3/15-Q12PR-C	UEI-50/60
			48V	18V	75V	2.25kV	89%		•								*0.91*	*1.31*	*0.36*	23.1	33.27	9.14	UWS-3.3/15-Q48	UWS
				36V			90%			•				•			*2.3*	*0.9*	*0.37*	58.4	22.9	9.4	UCE-3.3/15-D48N-C	UCE
							89%					•		•			*2.4*	*2.3*	*0.4*	61	58.4	10.2	UCH-3.3/15-D48N-C	UCH
			48V	36V	75V	2.25kV	90.5%				•		•	•			*2.3*	*1.45*	*0.38*	58.4	36.8	9.5	ULQ-3.3/15-D48N-C	ULQ-15A
		50W	48V	36V	75V	2.25kV	90%			•			•	•			*2.3*	*0.9*	*0.4*	58.4	22.9	10.2	UEE-3.3/15-D48	UEE
	18A	**59.4W**	48V	18V	75V	2.25kV	89.5%							•			*1.95*	*1.55*	*0.375*	49.5	39.4	9.5	UEI-3.3/18-Q48NR-C	UEI-50/60
	20A	**66W**	12V	9V	36V	2.25kV	89%			•				•			*2.3*	*0.38*	*0.9*	58.4	9.7	22.9	UWE-3.3/20-Q12P-C	UWE
			24V	18V	36V	2kV	89%			•			•	•			*2.3*	*0.9*	*0.41*	58.4	22.9	10.4	ULE-3.3/20-D24P-C	ULE20A
							89.5%				•		•	•			*2.3*	*1.45*	*0.38*	58.4	36.8	9.5	ULQ-3.3/20-D24P-C	ULQ-15A
			48V	18V	75V	2.25kV	89.5%			•				•			*2.3*	*0.38*	*0.9*	58.4	9.7	22.9	UWE-3.3/20-Q48N-C	UWE
				36V			90%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-3.3/20-D48N-C	UCQ
	20A	**66W**	48V	36V	75V	2.25kV	89%			•			•	•			*2.3*	*0.9*	*0.41*	58.4	22.9	10.4	ULE-3.3/20-D48N-C	ULE20A
							90%				•		•	•			*2.3*	*1.45*	*0.38*	58.4	36.8	9.5	ULQ-3.3/20-D48N-C	ULQ-15A
									•				•				*1.3*	*0.4*	*0.9*	33.02	10.16	22.86	ULS-3.3/20-D48N-C	ULS
	25A	**82.5W**	48V	18V	75V	2.25kV	90%			•			•	•			*2.3*	*0.9*	*0.4*	58.4	22.9	10.2	UEE-3.3/25-D48	UEE
			12V	9V	36V	2kV	88%				•			•			*2.22*	*1.45*	*0.43*	56.4	36.8	10.9	UQQ-3.3/25-Q12P-C	UQQ7-15A
			48V	18V	75V	2.25kV	88.5%				•			•			*2.22*	*1.45*	*0.43*	56.4	36.8	10.9	UQQ-3.3/25-Q48N-C	
	30A	**99W**	24V	18V	36V	2kV	89%				•			•			*2.3*	*1.45*	*0.42*	58.4	36.8	10.7	UVQ-3.3/30-D24P-C	UVQ
			48V	18V	75V	2.25kV	89.5%			•							*2.3*	*0.9*	*0.39*	58.4	22.9	9.9	UWE-3.3/30-Q48-C	UWE-100-120W
				36V			91%			•				•			*2.3*	*0.9*	*0.37*	58.4	22.9	9.4	UCE-3.3/30-D48N-C	UCE
											•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-3.3/30-D48N-C	UCQ
							90%			•			•	•			*2.3*	*0.9*	*0.4*	58.4	22.9	10.2	UEE-3.3/30-D48	UEE
							89%					•		•			*2.4*	*2.3*	*0.4*	61	58.4	10.2	UCH-3.3/30-D48N-C	UCH
							91%		•								*1.3*	*0.9*	*0.4*	33	22.9	10.2	ULS-3.3/30-D48	ULS-100W
	35A	**115.5W**	24V	18V	36V	2.25kV	89%					•		•			*2.4*	*2.3*	*0.4*	61	58.4	10.2	UCH-3.3/35-D24P-C	UCH
							90%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	UCQ-3.3/35-D24P-C	UCQ
			48V	36V	75V	2.25kV	92%				•			•			*2.3*	*1.45*	*0.42*	58.4	36.8	10.7	UVQ-3.3/35-D48N-C	UVQ
	50A	**165W**					90%				•			•			*2.3*	*1.45*	*0.4*	58.4	36.8	10.2	HPQ-3.3/50-D48N-C	HPQ
	70A	**231W**					90%					•		•			*2.4*	*2.3*	*0.4*	61	58.4	10.2	HPH-3.3/70-D48N-C	HPH
5V																							
	0.05A	**0.25W**	3.3V	2.97V	3.63V	1kV	70%							•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	LME0305SC	LME
			5V	4.5V	5.5V	1kV	70%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	LME0505DC	
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	LME0505SC	
			12V	10.8V	13.2V	1kV	70%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	LME1205DC	
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	LME1205SC	
	0.1A	**0.5W**	5V	4.75V	5.25V	1kV	50%							•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMF0505DC	NMF
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMF0505SC	
			12V	11.4V	12.6V	1kV	50%							•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMF1205DC	
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMF1205SC	
			24V	22.8V	25.2V	1kV	50%							•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMF2405DC	
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMF2405SC	

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
5V	0.2A	1W	3.3V	2.97V	3.63V	1kV	79%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0305DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S0305SC	
							82%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0305MC	MTE1
							81%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0305MC	MTU1
							78%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0305MC	NTE
						3kV	76%							•	•		0.39	0.45	0.212	9.8	11.5	5.4	NKE0305DC	NKE
														•		•	0.24	0.45	0.293	6	11.5	7.5	NKE0305SC	
			5V	4V	6V	1kV	62%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS0505MC	NTF
							80%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0505DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S0505SC	
						1kV	84%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S0505SC	MER1
							82%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0505MC	MTE1
							83%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0505MC	MTU1
						3kV	84%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0505DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S0505SC	
							69%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE0505DC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE0505SC	
							78%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE0505DEC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE0505SEC	
						1kV	69%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME0505DC	NME
														•		•	0.24	0.45	0.39	6	11.5	10	NME0505SC	
						5.2kV	68%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0505SAC	NMJ
						1kV	69%							•		•	0.24	0.77	0.39	6	19.5	10	NMR100C	NMR
						3kV	68%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV0505DAC	NMV
														•		•	0.24	0.77	0.39	6	19.5	10	NMV0505SAC	
						1kV	68%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0505MC	NTE
							77%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0505MEC	
			12V	9V	15V	1kV	73%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS1205MC	NTF
						1kV	79%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1205DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1205SC	
							84%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1205MC	MTE1
							84%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1205SC	MER1
						3kV	84%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1205DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1205SC	
							71%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE1205DC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE1205SC	
						1kV	84%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1205MC	MTU1
							69%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME1205DC	NME
														•		•	0.24	0.45	0.39	6	11.5	10	NME1205SC	
						5.2kV	69%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1205SAC	NMJ
						1kV	69%							•		•	0.24	0.77	0.39	6	19.5	10	NMR106C	NMR
						3kV	69%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV1205DAC	NMV
														•		•	0.24	0.77	0.39	6	19.5	10	NMV1205SAC	
						1kV	67%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE1205MC	NTE
			15V	13.5V	16.5V	1kV	77%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1505DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1505SC	
							83%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1505MC	MTE1
							83.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1505SC	MER1
						3kV	83.5%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1505DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1505SC	
						1kV	69%							•		•	0.24	0.77	0.39	6	19.5	10	NMR112C	NMR
						3kV	67%							•		•	0.24	0.77	0.39	6	19.5	10	NMV1505SAC	NMV
			24V	18	36	1kV	70%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS2405MC	NTF
				21.6V	26.4V	1kV	75%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2405DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S2405SC	
							84%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S2405SC	MER1
							83%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S2405MC	MTE1

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									*Inches*			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
5V																								
	0.2A	**1W**	24V	21.6V	26.4V	3kV	84%							•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEV1S2405DC	MEV1
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MEV1S2405SC	
						1kV	70%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	NME2405DC	NME2
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	NME2405SC	
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMR118C	NMR
			48V	43.2V	52.8V	1kV	79.5%							•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MER1S4805SC	MER1
						3kV	84%							•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MEV1S4805SC	MEV1
	0.3A	**1.5W**	5V	4.5V	5.5V	8kV	75%							•	•		*1.27*	*0.81*	*0.4*	32.3	20.5	10.2	PWR1300AC	PWR13XXC
	0.3A	**1.5W**	12V	10.8V	13.2V	8kV	75%							•	•		*1.27*	*0.81*	*0.4*	32.3	20.5	10.2	PWR1306AC	PWR13XXC
	0.4A	**2W**	3.3V	2.97	3.63	5.2kV	74%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S0305SC	MEJ2
			5V	4.5V	9V	1kV	66%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL0505SC	NDL
					5.5V		81%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMG0505SC	NMG
							78%							•		•	*0.30*	*0.55*	*0.39*	7.5	14	10	NML0505SC	NML
						3kV	80%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK0505SAC	NMK
						5.2kV	75%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S0505SC	MEJ2
	0.4A	**2W**	12V	9V	18V	1kV	73%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL1205SC	NDL
				10.8V	13.2V		81%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMG1205SC	NMG
							81%							•		•	*0.30*	*0.55*	*0.39*	7.5	14	10	NML1205SC	NML
						3kV	80%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1205SAC	NMK
						5.2kV	78%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S1205SC	MEJ2
			15V	13.5V	16.5V	3kV	84%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1505SAC	NMK
						5.2kV	76%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S1505SC	MEJ2
			24V	18V	36V	1kV	74%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL2405SC	NDL
			24V	21.6V	26.4V	3kV	84%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK2405SAC	NMK
			48V	36V	72V		73%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL4805SC	NDL
	0.5A	**2.5W**	5V	4.5V	9V	1kV	74%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UST-5/500-D5-C	UST-3W
							70%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UWR-5/500-D5-C	UWR-3W
			12V	9V	18V		74%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UST-5/500-D12-C	UST-3W
							70%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UWR-5/500-D12-C	UWR-3W
			48V	18V	72V		75%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UST-5/500-D48-C	UST-3W
							75%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UWR-5/500-D48-C	UWR-3W
	0.6A	**3W**	5V	4.5V	5.5V		83%							•		•	*0.56*	*0.32*	*0.4*	14.15	8.15	10.15	MEE3S0505SC	MEE3
						3kV	83%							•		•	*0.4*	*0.77*	*0.3*	10.2	19.7	7.7	MEV3S0505SC	MEV3
					9V	1kV	71%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS0505C	NDTS
							66%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY0505C	NDY
			12V	9V	18V		73%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS1205C	NDTS
							71%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY1205C	NDY
				10.8	13.2		85%									•	*0.56*	*0.32*	*0.4*	14.15	8.15	10.15	MEE3S1205SC	MEE3
						3kV	84%							•		•	*0.4*	*0.77*	*0.3*	10.2	19.7	7.7	MEV3S1205SC	MEV3
			24V	18V	36V	1kV	78%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS2405C	NDTS
							70%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY2405C	NDY
			48V	36V	72V		75%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS4805C	NDTS
							73%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY4805C	NDY
	0.8A	**4W**	5V	4.5V	5.5V	8kV	80%							•	•		*2*	*1*	*0.4*	50.8	25.4	10.2	HB04U05S05QC	HB04UC
			12V	10.8V	13.2V		87%							•	•		*2*	*1*	*0.4*	50.8	25.4	10.2	HB04U12S05QC	
	1A	**5W**	24V	18V	36V	1kV	78%							•			*1*	*1*	*0.45*	25.4	25.4	11.4	UWR-5/1000-D24-C	UWR-5W
			48V	36V	72V		78%							•			*1*	*1*	*0.45*	25.4	25.4	11.4	UWR-5/1000-D48-C	
	1.2A	**6W**	12V	9V	36V	1.5kV	82%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6S1205C	NCS6
			24V	18V	36V	1.5kV	82%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NDS6S2405C	NDS6
			48V	18V	75V	1.5kV	80%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6S4805C	NCS6
	1.6A	**8W**	5V	4.7V	7.25V	1.5kV	76%							•			*2*	*1*	*0.45*	50.8	25.4	11.4	UWR-5/1600-D5-C	UWR 6-10W
	1.8A	**9W**	48V	18V	75V	1.5kV	81%							•			*2*	*1*	*0.45*	50.8	25.4	11.4	UWR-5/1800-D48-C	
	1.96A	**10W**	24V	18V	36V	1.5kV	83%							•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S2405EIC	NPH10S
														•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S2405IC	
			48V	36V	75V	1.5kV	83%							•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S4805EIC	
														•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S4805IC	

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
5V	2A	10W	12V	9V	18V	1.5kV	81%							•			2	1	0.45	50.8	25.4	11.4	UWR-5/2000-D12A-C	UWR 6-10W
			24V	18V	36V	1.5kV	85%							•			2	1	0.45	50.8	25.4	11.4	UWR-5/2000-D24E-C	
			48V	36V	72V	1.5kV	84%							•			2	1	0.45	50.8	25.4	11.4	UWR-5/2000-D48E-C	UWR 6-10W
	3A	15W	5V	4.7V	7.5V	1.5kV	79%							•			2	2	0.45	50.8	50.8	11.4	UWR-5/3000-D5-C	UWR 14-20W
			12V	10V	18V	1.5kV	85%							•			2	1	0.49	50.8	25.4	12.5	UWR-5/3000-D12A-C	UWR 15W
			24V	9V	36V	1.5kV	87%							•			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-050-Q12P-C	UEI 15W
			24V	18V	36V	1.5kV	84%							•	•		0.98	1.97	0.39	25	50	10	NPH15S2405EIC	NPH15S
														•	•		0.98	1.97	0.39	25	50	10	NPH15S2405IC	
							88%							•			2	1	0.49	50.8	25.4	12.5	UWR-5/3000-D24A-C	UWR 15W
	3A	15W	48V	18V	75V	2.25kV	86%							•			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-050-Q48N-C	UEI15W
				36V	75V	1.5kV	85%							•	•		0.98	1.97	0.39	25	50	10	NPH15S4805EIC	NPH15S
														•	•		0.98	1.97	0.39	25	50	10	NPH15S4805IC	
							88%							•			2	1	0.49	50.8	25.4	12.5	UWR-5/3000-D48A-C	UWR 15W
	4A	20W	12V	9V	36V	1.5kV	82%							•			2	2	0.45	50.8	50.8	11.4	UWR-5/4000-D12-C	UWR 14-20W
			48V	18V	75V	1.5kV	84%							•			2	2	0.45	50.8	50.8	11.4	UWR-5/4000-D48-C	UWR 14-20W
	5A	25W	24V	18V	36V	1.5kV	84%							•	•		1.38	1.97	0.39	35	50	10	NPH25S2405EIC	NPH25S
														•	•		1.38	1.97	0.39	35	50	10	NPH25S2405IC	
	5A	25W	24V	9V	36V	1.5kV	87.5%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-5/5000-Q12-C	UHE12-30W
			48V	18V	75V	1.5kV	90%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-5/5000-Q48-C	
				36V	75V	1.5kV	89%	•						•	•		0.92	0.75	0.35	23.4	19.1	8.9	ULT-5/5-D48	ULT
						2.25kV	91%							•			1.1	0.32	0.96	27.9	8.13	24.4	UEI25-050-D48	UEI25
	6A	30W	24V	9V	36V	1.5kV	91.5%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-5/6000-Q12-C	UHE12-30W
						2.25kV	89.5%							•			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-050-Q12P-C	UEI30
				36V	75V	1.5kV	91.5%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-5/6000-D48-C	UHE12-30W
			48V	18V	75V	1.5kV	91.5%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-5/6000-Q48-C	
						2.25kV	91%							•			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-050-Q48N-C	UEI30
	7A	35W	12V	10V	18V	1.5kV	89.5%							•			2	2	0.45	50.8	50.8	11.4	UWR-5/7-D12A-C	UWR26-40W
	8A	40W	24V	18V	36V	1.5kV	90%							•			2	2	0.45	50.8	50.8	11.4	UWR-5/8-D24A-C	UWR26-40W
			48V	36V	75V	1.5kV	90%							•			2	2	0.45	50.8	50.8	11.4	UWR-5/8-D48A-C	UWR26-40W
	10A	50W	12V	9V	18V	2kV	89%			•			•	•			2.3	0.9	0.41	58.4	22.9	10.4	ULE-5/10-D12P-C	ULE20A
			24V	9V	36V	1.5kV	90%							•			1.95	1.55	0.375	49.5	39.4	9.5	UEI-5/10-Q12PR-C	UEI50/60
			48V	18V	75V	2.25kV	91%		•								0.91	1.31	0.36	23.1	33.27	9.14	UWS-5/10-Q48	UWS
				36V	75V	2.25kV	90.5%			•				•			2.3	0.9	0.37	58.4	22.9	9.4	UCE-5/10-D48	UCE
							89%					•		•			2.4	2.3	0.4	61	58.4	10.2	UCH-5/10-D48N-C	UCH
	12A	60W	24V	18V	36V	2kV	90%			•			•	•			2.3	0.9	0.41	58.4	22.9	10.4	ULE-5/12-D24P-C	ULE20A
			48V	18V	75V	2.25kV	91%							•			1.95	1.55	0.375	49.5	39.4	9.5	UEI-5/12-Q48NR-C	UEI50/60
				36V	75V	2.25kV	90%			•			•	•			2.3	0.9	0.41	58.4	22.9	10.4	ULE-5/12-D48N-C	ULE20A
									•				•				1.3	0.4	0.9	33.02	10.16	22.86	ULS-5/12-D48N-C	ULS
	15A	75W	12V	9V	36V	2.25kV	91%			•				•			2.3	0.38	0.9	58.4	9.7	22.9	UWE-5/15-Q12P-C	UWE
			24V	18V	36V	2kV					•		•	•			2.3	1.45	0.38	58.4	36.8	9.5	ULQ-5/15-D24P-C	ULQ-15A
			48V	18V	75V	2.25kV	90%			•				•			2.3	0.38	0.9	58.4	9.7	22.9	UWE-5/15-Q48N-C	UWE
				36V	75V	2.25kV	91%				•		•	•			2.3	1.45	0.38	58.4	36.8	9.5	ULQ-5/15-D48N-C	ULQ-15A
	17A	85W	12V	9V	36V	2kV	90.5%				•			•			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-5/17-Q12P-C	UQQ7-15A
	20A	100W	24V	18V	36V	2.25kV	91.5%				•			•			2.3	1.45	0.4	58.4	36.8	10.2	UCQ-5/20-D24P-C	UCQ
							90.5%					•		•			2.4	2.3	0.4	61	58.4	10.2	UCH-5/20-D24P-C	UCH
			48V	36V	75V	2.25kV	93%				•			•			2.3	1.45	0.4	58.4	36.8	10.2	UCQ-5/20-D48N-C	UCQ
				18V			91%				•			•			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-5/20-Q48N-C	UQQ7-15A
							89%			•							2.3	0.9	0.39	58.4	22.9	9.9	UWE-5/20-Q48-C	UWE-100-120W
				36V			92.5%			•				•			2.3	0.9	0.37	58.4	22.9	9.4	UCE-5/20-D48	UCE
							91%		•								1.3	0.9	0.4	33	22.9	10.2	ULS-5/20-D48	ULS-100W
							89%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-5/20-D48N-C	UVQ
			72V	16.8V	137.5V		87%						*				4.38	0.81	6.52	111	20.3	165.5	UCR100-050-T72-C	UCR100
	30A	150W	48V	36V	75V	2.25kV	91%					•		•			2.4	2.3	0.4	61	58.4	10.2	UCH-5/30-D48N-C	UCH
	40A	200W					91%					•		•			2.4	2.3	0.4	61	58.4	10.2	HPH-5/40-D48N-C	HPH
5.2V	1.5A	8W	5V	4.7V	7.25V	1.5kV	76%							•			2	1	0.45	50.8	25.4	11.4	UWR-5.2/1500-D5A-C	UWR 6-10W
	3A	16W	5V	4.7V	7.5V	1.5kV	80%							•			2	2	0.45	50.8	50.8	11.4	UWR-5.2/3000-D5A-C	UWR 14-20W

***Cassette module for 19-inch rack mounting.**

Single Output Isolated

Output Characteristics			Input Voltage					Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.	Isolation	Efficiency	1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
6V	**0.167A**	**1W**	5V	4.5V	5.5V	1kV	84%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0506MC	MTE1
							72%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0506MC	NTE
8.3V	**22A**	**182.6W**	48V	36V	75V	2.25kV	92.5%				•						2.3	0.4	1.45	58.4	10.2	36.8	HPQ-8.3/22-D48	HPQ
9V	**0.028A**	**0.25W**	5V	4.5V	5.5V	1kV	75%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	LME0509DC	LME
														•		•	0.24	0.45	0.39	6	11.5	10	LME0509SC	
			12V	10.8V	13.2V	1kV	75%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	LME1209DC	
														•		•	0.24	0.45	0.39	6	11.5	10	LME1209SC	
	0.1A	**0.9W**	24V	22.8V	25.2V	1kV	62%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMF2409DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF2409SC	
	0.111A	**1W**	3.3V	2.97V	3.63V	1kV	79%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0309DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S0309SC	
							85%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0309MC	MTE1
							77%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0309MC	NTE
						3kV	75%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE0309DC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE0309SC	
			5V	4.5V	5.5V	1kV	80%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0509DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S0509SC	
							87%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S0509SC	MER1
							85%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0509MC	MTE1
							86%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0509MC	MTU1
						3kV	86.5%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0509DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S0509SC	
						3kV	75%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE0509DC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE0509SC	
						1kV	77%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME0509DC	NME
														•		•	0.24	0.45	0.39	6	11.5	10	NME0509SC	
						5.2kV	72%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0509SAC	NMJ
						3kV	75%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV0509DAC	NMV
														•		•	0.24	0.77	0.39	6	19.5	10	NMV0509SAC	
						1kV	75%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0509MC	NTE
			12V	10.8V	13.2V	1kV	79%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1209DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1209SC	
							86.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1209SC	MER1
							86%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1209MC	MTE1
						3kV	86%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1209DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1209SC	
							78%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE1209DC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE1209SC	
						1kV	87%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1209MC	MTU1
							74%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME1209DC	NME
														•		•	0.24	0.45	0.39	6	11.5	10	NME1209SC	
						5.2kV	73%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1209SAC	NMJ
						3kV	74%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV1209DAC	NMV
														•		•	0.24	0.77	0.39	6	19.5	10	NMV1209SAC	
						1kV	73%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE1209MC	NTE
			15V	13.5V	16.5V	1kV	77%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1509DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1509SC	
							86.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1509SC	MER1
							86%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1509MC	MTE1
						3kV	86.5%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1509DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1509SC	
			24V	21.6V	26.4V	1kV	74%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2409DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S2409SC	
							86.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S2409SC	MER1
							86%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S2409MC	MTE1

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									*Inches*			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
9V																								
	0.111A	**1W**	24V	21.6V	26.4V	3kV	86.5%							•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEV1S2409DC	MEV1
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MEV1S2409SC	
						1kV	75%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	NME2409DC	NME2
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	NME2409SC	
			48V	43.2V	52.8V	1kV	83%							•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MER1S4809SC	MER1
						3kV	82%							•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MEV1S4809SC	MEV1
	0.22A	**2W**	5V	4.5V	9V	1kV	71%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL0509SC	NDL
					5.5V	1kV	84%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMG0509SC	NMG
						1kV	81%							•		•	*0.30*	*0.55*	*0.39*	7.5	14	10	NML0509SC	NML
						3kV	83%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK0509SAC	NMK
						5.2kV	78%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S0509SC	MEJ2
			12V	9V	18V	1kV	79%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL1209SC	NDL
				10.8V	13.2V	1kV	83%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMG1209SC	NMG
						1kV	84%							•		•	*0.30*	*0.55*	*0.39*	7.5	14	10	NML1209SC	NML
			12V	10.8V	13.2V	3kV	83%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1209SAC	NMK
						5.2kV	79%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S1209SC	MEJ2
	0.22A	**2W**	15V	13.5V	16.5V	3kV	86%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1509SAC	NMK
						5.2kV	78%							•		•	*0.77*	*0.39*	*0.5*	19.65	9.95	12.65	MEJ2S1509SC	MEJ2
			24V	18V	36V	1kV	81%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL2409SC	NDL
			24V	21.6V	26.4V	3kV	87%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK2409SAC	NMK
			48V	36V	72V	1kV	80%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL4809SC	NDL
	0.25A	**2.25W**	5V	4.75V	5.25V	0.5kV	80%							•	•		*1.29*	*0.53*	*0.38*	32.6	13.3	9.5	LP02U05S09KC	LP02U
			12V	11.4V	12.6V	0.5kV	77%							•	•		*1.29*	*0.53*	*0.38*	32.6	13.3	9.5	LP02U12S09KC	
	0.333A	**3W**	5V	4.5V	5.5V	1kV	87%							•		•	*0.56*	*0.32*	*0.4*	14.15	8.15	10.15	MEE3S0509SC	MEE3
						3kV	87%							•		•	*0.4*	*0.77*	*0.3*	10.2	19.7	7.7	MEV3S0509SC	MEV3
					9V	1kV	72%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY0509C	NDY
	0.333A	**3W**	12V	9V	18V	1kV	78%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY1209C	NDY
				10.8	13.2	1kV	88%							•		•	*0.56*	*0.32*	*0.4*	14.15	8.15	10.15	MEE3S1209SC	MEE3
						3kV	87.5%							•		•	*0.4*	*0.77*	*0.3*	10.2	19.7	7.7	MEV3S1209SC	MEV3
			24V	18V	36V	1kV	78%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY2409C	NDY
			48V	36V	72V	1kV	80%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY4809C	
12V																								
	0.021A	**0.25W**	5V	4.5V	5.5V	1kV	75%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	LME0512DC	LME
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	LME0512SC	
			12V	10.8V	13.2V	1kV	75%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	LME1212DC	
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	LME1212SC	
	0.083A	**1W**	3.3V	2.97V	3.63V	1kV	81%								•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	MEE1S0312DC	MEE1
																•	*0.24*	*0.45*	*0.39*	6	11.5	10	MEE1S0312SC	
							86%						•				*0.5*	*0.43*	*0.27*	12.7	11	7.05	MTE1S0312MC	MTE1
							77%										*0.30*	*0.5*	*0.26*	7.7	12.7	6.6	NTE0312MC	NTE
			5V	4V	6V	1kV	67%						•				*0.70*	*0.5*	*0.13*	17.8	12.7	3.3	NTFS0512MC	NTF
				4.5V	5.5V	1kV	81%								•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	MEE1S0512DC	MEE1
																•	*0.24*	*0.45*	*0.39*	6	11.5	10	MEE1S0512SC	
							87%							•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MER1S0512SC	MER1
							87%						•				*0.5*	*0.43*	*0.27*	12.7	11	7.05	MTE1S0512MC	MTE1
						3kV	87%							•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEV1S0512DC	MEV1
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	MEV1S0512SC	
						1kV	87%						•				*0.323*	*0.331*	*0.335*	8.2	8.4	8.5	MTU1S0512MC	MTU1
							78%							•	•		*0.39*	*0.45*	*0.27*	9.8	11.5	6.8	NME0512DC	NME
														•		•	*0.24*	*0.45*	*0.39*	6	11.5	10	NME0512SC	NME
						3kV	77%							•	•		*0.39*	*0.45*	*0.21*	9.8	11.5	5.4	NKE0512DC	NKE
														•		•	*0.24*	*0.45*	*0.29*	6	11.5	7.5	NKE0512SC	
														•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMV0512DAC	NMV
														•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMV0512SAC	
						5.2kV	71%							•		•	*0.39*	*0.77*	*0.49*	9.8	19.5	12.5	NMJ0512SAC	NMJ
						1kV	77%							•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMR101C	NMR
													•				*0.30*	*0.5*	*0.26*	7.7	12.7	6.6	NTE0512MC	NTE

Single Output Isolated

Output Characteristics			Input Voltage					Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.	Isolation	Efficiency	1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
12V																							
			5V	4.75V	5.25V	1kV	62%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMF0512DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF0512SC	
			12V	9V	15V	1kV	66%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS1212MC	NTF
				10.8V	13.2V	1kV	82%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1212DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1212SC	
							88.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1212SC	MER1
							88%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1212MC	MTE1
						3kV	88%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1212DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1212SC	
						1kV	88%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1212MC	MTU1
							76%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME1212DC	NME
														•		•	0.24	0.45	0.39	6	11.5	10	NME1212SC	
				11.4V	12.6V	1kV	62%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMF1212DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF1212SC	
				10.8V	13.2V	3kV	79%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE1212DC	NKE
														•		•	0.24	0.45	0.29	6	11.5	7.5	NKE1212SC	
							77%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV1212DAC	NMV
														•		•	0.24	0.77	0.39	6	19.5	10	NMV1212SAC	
						5.2kV	73%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1212SAC	NMJ
			12V	10.8V	13.2V	1kV	76%							•		•	0.24	0.77	0.39	6	19.5	10	NMR107C	NMR
							74%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE1212MC	NTE
	0.083A	1W																						
						1kV	78%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1512DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1512SC	
							87.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1512SC	MER1
							87%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1512MC	MTE1
			15V	13.5V	16.5V	3kV	87.5%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1512DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1512SC	
						3kV	75%							•		•	0.24	0.77	0.39	6	19.5	10	NMV1512SAC	NMV
						1kV	76%							•		•	0.24	0.77	0.39	6	19.5	10	NMR113C	NMR
				18V	36V	1kV	68%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS2412MC	NTF
				21.6V	26.4V	1kV	79%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2412DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S2412SC	
							87.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S2412SC	MER1
							87%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S2412MC	MTE1
			24V			3kV	87.5%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S2412DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S2412SC	
						1kV	80%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME2412DC	NME2
														•		•	0.24	0.45	0.39	6	11.5	10	NME2412SC	
							78%							•		•	0.24	0.77	0.39	6	19.5	10	NMR119C	NMR
				22.8V	25.2V	1kV	62%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMF2412DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF2412SC	
			48V	43.2V	52.8V	1kV	82.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S4812SC	MER1
						3kV	82							•		•	0.24	0.77	0.39	6	19.5	10	MEV1S4812SC	MEV1
	0.125A	1.5W	5V	4.5V	5.5V	8kV	75%							•	•		1.27	0.81	0.4	32.3	20.5	10.2	PWR1301AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%							•	•		1.27	0.81	0.4	32.3	20.5	10.2	PWR1307AC	
	0.167A	2W	5V	4.5V	5.5V	9V	71%							•		•	0.36	0.86	0.44	9.2	21.8	11.1	NDL0512SC	NDL
						1kV	85%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMG0512SC	NMG
						1kV	84%							•		•	0.30	0.55	0.39	7.5	14	10	NML0512SC	NML
						3kV	83%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK0512SAC	NMK
						5.2kV	77%							•		•	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0512SC	MEJ2
			12V	9V	18V	1kV	80%							•		•	0.36	0.86	0.44	9.2	21.8	11.1	NDL1212SC	NDL
				10.8V	13.2V	1kV	85%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMG1212SC	NMG
						1kV	85%							•		•	0.30	0.55	0.39	7.5	14	10	NML1212SC	NML
						3kV	85%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1212SAC	NMK
						5.2kV	80%							•		•	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1212SC	MEJ2
			15V	13.5V	16.5V	3kV	87%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1512SAC	NMK
						5.2kV	79%							•		•	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1512SC	MEJ2

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									*Inches*			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
12V	**0.167A**	**2W**	24V	18V	36V	1kV	83%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL2412SC	NDL
			24V	21.6V	26.4V	3kV	88%							•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK2412SAC	NMK
			48V	36V	72V	1kV	81%							•		•	*0.36*	*0.86*	*0.44*	9.2	21.8	11.1	NDL4812SC	NDL
	0.25A	**3W**	5V	4.5V	5.5V	1kV	86%							•		•	*0.56*	*0.32*	*0.4*	14.15	8.15	10.15	MEE3S0512SC	MEE3
						3kV	85.5%							•		•	*0.4*	*0.77*	*0.3*	10.2	19.7	7.7	MEV3S0512SC	MEV3
					9V	1kV	76%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS0512C	NDTS
							71%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY0512C	NDY
							75%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UST-12/250-D5-C	UST-3W
							72%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UWR-12/250-D5-C	UWR 3W
			12V	10.8V	13.2V	1kV	88%							•		•	*0.56*	*0.32*	*0.4*	14.15	8.15	10.15	MEE3S1212SC	MEE3
						3kV	88%							•		•	*0.4*	*0.77*	*0.3*	10.2	19.7	7.7	MEV3S1212SC	MEV3
				9V	18V	1kV	75%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS1212C	NDTS
							78%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY1212C	NDY
							74%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UST-12/250-D12-C	UST-3W
			24V	18V	36V	1kV	80%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS2412C	NDTS
														•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY2412C	NDY
	0.25A	**3W**	48V	36V	72V	1kV	80%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDTS4812C	NDTS
							81%							•	•		*0.58*	*1.27*	*0.28*	14.7	32.3	7	NDY4812C	NDY
				18V	72V	1kV	77%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UST-12/250-D48-C	UST-3W
						1kV	76%								•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	UWR-12/250-D48-C	UWR 3W
	0.33A	**4W**	12V	10.8V	13.2V	8kV	87%							•	•		*2*	*1*	*0.4*	50.8	25.4	10.2	HB04U12S12QC	HB04UC
			15V	13.5V	16.5V	3kV	87%							•			*2*	*3*	*0.4*	50.8	25.4	10.2	HB04U15S12QC	
	0.42A	**5W**	24V	18V	36V	1kV	82%							•			*1*	*1*	*0.45*	25.4	25.4	11.4	UWR-12/420-D24-C	UWR 5W
			48V	36V	72V	1kV	82%							•			*1*	*1*	*0.45*	25.4	25.4	11.4	UWR-12/420-D48-C	
	0.5A	**6W**	12V	9V	36V	1.5kV	84%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6S1212C	NCS6
			24V	18V	36V	1.5kV	87%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NDS6S2412C	NDS6
			48V	18V	75V	1.5kV	84%							•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6S4812C	NCS6
	0.75A	**9W**	5V	4.7V	7.25V	1.5kV	82%							•			*2*	*1*	*0.45*	50.8	25.4	11.4	UWR-12/665-D5A-C	UWR 6-10W
			48V	18V	75V	1.5kV	82.5%							•			*2*	*1*	*0.45*	50.8	25.4	11.4	UWR-12/750-D48A-C	
	0.83A	**10W**	12V	9V	18V	1.5kV	84%							•			*2*	*1*	*0.45*	50.8	25.4	11.4	UWR-12/830-D12A-C	
			24V	18V	36V	1.5kV	86%							•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S2412EIC	NPH10S
							86%							•	•		*0.98*	*1.26*	*0.39*	25	32	10	NPH10S2412IC	
	1.25A	**15W**	5V	4.7V	7.5V	1.5kV	82%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-12/1250-D5A-C	UWR 14-20W
			12V	10V	18V	1.5kV	85%							•			*2*	*1*	*0.49*	50.8	25.4	12.5	UWR-12/1250-D12A-C	UWR 15W
	1.25A	**15W**	24V	18V	36V	1.5kV	86%							•	•		*0.98*	*1.97*	*0.39*	25	50	10	NPH15S2412EIC	NPH15S
														•	•		*0.98*	*1.97*	*0.39*	25	50	10	NPH15S2412IC	
							87%							•			*2*	*1*	*0.49*	50.8	25.4	12.5	UWR-12/1250-D24A-C	UWR 15W
			48V	36V	75V	1.5kV	87%							•			*2*	*1*	*0.49*	50.8	25.4	12.5	UWR-12/1250-D48A-C	
							88%							•	•		*0.98*	*1.97*	*0.39*	25	50	10	NPH15S4812EIC	NPH15S
														•	•		*0.98*	*1.97*	*0.39*	25	50	10	NPH15S4812IC	
			N/A	16V	160V	4kV	78%							•	•		*2*	*2*	*0.79*	50.8	50.8	20	RUW15SL12C	RUW15
							77%							•	•		*2*	*2*	*0.79*	50.8	50.8	20	RUW15SL12HC	
	1.3A	**15.6W**	24V	9V	36V	2.25kV	84.5%							•			*0.96*	*0.32*	*1.1*	24.4	8.1	27.9	UEI15-120-Q12	UEI15
			48V	18V	75V		85%							•			*0.96*	*0.32*	*1.1*	24.4	8.1	27.9	UEI15-120-Q48	
	1.66A	**20W**	24V	9V	36V	1.5kV	82.5%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-12/1650-D12A-C	UWR 14-20W
			48V	18V	75V	1.5kV	85%							•			*2*	*2*	*0.45*	50.8	50.8	11.4	UWR-12/1650-D48A-C	
	2.10A	**25W**	24V	18V	36V	1.5kV	86%							•	•		*1.38*	*1.97*	*0.39*	35	50	10	NPH25S2412EIC	NPH25S
														•	•		*1.38*	*1.97*	*0.39*	35	50	10	NPH25S2412IC	
		25.2W	48V	36V	75V	2.25kV	87.5%							•			*1.1*	*0.32*	*0.96*	27.9	8.13	24.4	UEI25-120-D48	UEI25
	2.5A	**30W**	12V	9V	18V	1.5kV	89%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-12/2500-D12-C	UHE 12-30W
			24V	9V	36V		87.5%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-12/2500-Q12-C	
				18V			90%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-12/2500-D24-C	
				9V	36V	2.25kV	89%							•			*1.92*	*0.35*	*0.92*	48.8	8.9	23.4	UEI30-120-Q12P-C	UEI30
			48V	18V	75V	1.5kV	90.5%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-12/2500-Q48-C	UHE 12-30W
				36V			92%							•			*2*	*1.6*	*0.4*	50.8	40.6	10.2	UHE-12/2500-D48-C	
				18V	75V	2.25kV	89%							•			*1.92*	*0.35*	*0.92*	48.8	8.9	23.4	UEI30-120-Q48N-C	UEI30
	2.5A	**30W**	48V	36V	75V	1.5kV	91%	•						•	•		*0.92*	*0.75*	*0.35*	23.4	19.1	8.9	ULT-12/2.5-D48	ULT
						2.25kV	87.7%		•								*0.9*	*1.3*	*0.36*	22.9	33.02	9.14	ULS-12/2.5-D48	ULS-30W

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
12V																							
	4.2A	**50.4W**	24V	9V	36V	2.25kV	89.5%							•			1.95	1.55	0.375	49.5	39.4	9.5	UEI-12/4.2-Q12P-C	UEI-50/60
				18V		2kV	91%			•			•	•			2.3	0.9	0.41	58.4	22.9	10.4	ULE-12/4.2-D24P-C	ULE 20A
			48V	36V	75V	2.25kV	92%			•				•			2.3	0.9	0.37	58.4	22.9	9.4	UCE-12/4.2-D48N-C	UCE
											•			•			2.3	1.45	0.4	58.4	36.8	10.2	UCQ-12/4.2-D48N-C	UCQ
										•			•	•			2.3	0.9	0.41	58.4	22.9	10.4	ULE-12/4.2-D48N-C	ULE 20A
	4.5A	**54W**	48V	18V	75V	2.25kV	91%		•								0.91	1.31	0.36	23.1	33.27	9.14	UWS-12/4.5-Q48	UWS
	5A	**60W**	48V	18V	75V	2.25kV	89.8%							•			1.95	1.55	0.375	49.5	39.4	9.5	UEI-12/5-Q48N-C	UEI-50/60
				36V			91%		•				•				1.3	0.4	0.9	33.02	10.16	22.86	ULS-12/5-D48N-C	ULS
	6A	**72W**	12V	9V	36V	2.25kV	91.5%			•				•			2.3	0.38	0.9	58.4	9.7	22.9	UWE-12/6-Q12P-C	UWE
			48V	18V	75V		91%			•				•			2.3	0.38	0.9	58.4	9.7	22.9	UWE-12/6-Q48N-C	
	8A	**96W**	12V	9V	36V	2kV	89%				•			•			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-12/8-Q12P-C	UQQ7-15A
			24V	18V			90.5%				•		•	•			2.3	1.45	0.38	58.4	36.8	9.5	ULQ-12/8-D24P-C	ULQ-15A
	8A	**96W**	24V	18V	36V	2kV	90%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-12/8-D24P-C	UVQ
			48V	18V	75V	2.25kV	88.5%				•			•			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-12/8-Q48N-C	UQQ7-15A
	8.3A	**99.6W**	48V	36V	75V	2.25kV	90%			•				•			2.3	0.9	0.37	58.4	22.9	9.4	UCE-12/8.3-D48N-C	UCE
							91%				•			•			2.3	1.45	0.4	58.4	36.8	10.2	UCQ-12/8.3-D48N-C	UCQ
							92%		•								1.3	0.9	0.4	33	22.9	10.2	ULS-12/8.3-D48	ULS-100W
	10A	**120W**	48V	18V	75V	2.25kV	91.5%			•							2.3	0.9	0.39	58.4	22.9	9.9	UWE-12/10-Q48-C	UWE-100-120W
	10A	**120W**	48V	36V	75V	2.25kV	90%			•							2.3	0.9	0.4	58.4	22.9	10.2	UCE-12/10-D48	UCE
											•		•	•			2.3	1.45	0.38	58.4	36.8	9.5	ULQ-12/10-D48N-C	ULQ-15A
							93%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-12/10-D48N-C	UVQ
			72V	16.8V	138.5V		86.5%						*				4.38	0.81	6.52	111	20.3	165.5	UCR100-120-T72-C	UCR100
	12.5A	**150W**	48V	36V	75V	2.25kV	92.5%					•		•			2.4	2.3	0.4	61	58.4	10.2	UCH-12/12.5-D48N-C	UCH
	17A	**204W**		18V			92%				•						2.3	1.45	0.46	58.4	36.8	11.7	UWQ-12/17-Q48	UWQ
	20A	**234W**		36V			94.5%			•							2.3	0.9	0.4	58.4	22.9	10.2	RBE-12/20-D48	RBE
	25A	**300W**					93.5%				•			•			2.3	1.45	0.44	58.4	36.8	11.2	HPQ-12/25-D48	HPQ
	30A	**360W**					93%					•		•			2.4	2.3	0.4	61	58.4	10.2	HPH-12/30-D48N-C	HPH
	33A	**391W**					96%				•						2.3	1.45	0.5	58.4	36.8	12.7	RBQ-12/33-D48	RBQ
15V																							
	0.016A	**0.25W**	5V	4.5V	5.5V	1kV	75%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	LME0515DC	LME
														•		•	0.24	0.45	0.39	6	11.48	10	LME0515SC	
			12V	10.8V	13.2V	1kV	75%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	LME1215DC	
														•		•	0.24	0.45	0.39	6	11.48	10	LME1215SC	
	0.067A	**1W**	3.3V	2.97V	3.63V	1kV	82%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0315DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S0315SC	
							86%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0315MC	MTE1
							77%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0315MC	NTE
			5V	4V	6V	1kV	63%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS0515MC	NTF
				4.5V	5.5V	1kV	83%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0515DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S0515SC	
							87.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S0515SC	MER1
							88%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S0515MC	MTE1
							87%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0515MC	MTU1
							80%							•	•		0.39	0.45	0.28	9.8	11.5	6.8	NME0515DC	NME
														•		•	0.24	0.45	0.39	6	11.48	10	NME0515SC	
							79%							•		•	0.24	0.77	0.39	6	19.5	10	NMR102C	NMR
							78%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE0515MC	NTE
				4.5V	5.5V	3kV	87.5%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0515DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S0515SC	
							78%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE0515DC	NKE
														•		•	0.236	0.45	0.29	6	11.48	7.5	NKE0515SC	
							78%							•	•		0.39	0.77	0.26	9.8	19.5	6.8	NMV0515DAC	NMV
														•		•	0.24	0.77	0.39	6	19.5	10	NMV0515SAC	
						5.2kV	71%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0515SAC	NMJ
				4.75V	5.25V	1kV	62%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMF0515DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF0515SC	
			12V	9V	15V	1kV	67%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS1215MC	NTF

***Cassette module for 19-inch rack mounting.**

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
15V	0.067A	1W	12V	10.8V	13.2V	1kV	81%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1215DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1215SC	
							88%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1215SC	MER1
							88%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1215MC	MTE1
							88%						•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1215MC	MTU1
							75%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME1215DC	NME
							75%							•		•	0.24	0.45	0.39	6	11.5	10	NME1215SC	
							76%							•		•	0.24	0.77	0.39	6	19.5	10	NMR108C	NMR
							75%						•				0.30	0.5	0.26	7.7	12.7	6.6	NTE1215MC	NTE
						3kV	88%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1215DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1215SC	
							81%							•	•		0.39	0.45	0.21	9.8	11.5	5.4	NKE1215DC	NKE
							81%							•		•	0.24	0.45	0.29	6	11.48	7.46	NKE1215SC	
							77%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV1215DAC	NMV
							77%							•		•	0.24	0.77	0.39	6	19.5	10	NMV1215SAC	
						5.2kV	74%							•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1215SAC	NMJ
				11.4V	12.6V	1kV	62%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMF1215DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF1215SC	
			15V	13.5V	16.5V	1kV	83%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1515DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S1515SC	
							89%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S1515SC	MER1
							88%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S1515MC	MTE1
							75%							•		•	0.24	0.45	0.39	6	11.48	10	NME1515SC	NME
							76%							•		•	0.24	0.77	0.39	6	19.5	10	NMR114C	NMR
						3kV	89%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1515DC	MEV1
														•		•	0.24	0.77	0.39	6	19.5	10	MEV1S1515SC	
							77%							•		•	0.24	0.77	0.39	6	19.5	10	NMV1515SAC	NMV
			24V	18V	36V	1kV	67%						•				0.70	0.5	0.13	17.8	12.7	3.3	NTFS2415MC	NTF
				21.6V	26.4V		78%								•		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2415DC	MEE1
																•	0.24	0.45	0.39	6	11.5	10	MEE1S2415SC	
							87.5%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S2415SC	MER1
						1kV	88%						•				0.5	0.43	0.27	12.7	11	7.05	MTE1S2415MC	MTE1
							80%							•	•		0.39	0.45	0.27	9.8	11.5	6.8	NME2415DC	NME2
														•		•	0.24	0.45	0.39	6	11.5	10	NME2415SC	
														•		•	0.24	0.77	0.39	6	19.5	10	NMR120C	NMR
						3kV	84%							•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S2415DC	MEV1
							83%							•		•	0.24	0.77	0.39	6	19.5	10	MEV1S2415SC	
				22.8V	25.2V	1kV	62%							•	•		0.39	0.77	0.26	9.8	19.5	6.8	NMF2415DC	NMF
														•		•	0.24	0.77	0.39	6	19.5	10	NMF2415SC	
			48V	43.2V	52.8V	1kV	83%							•		•	0.24	0.77	0.39	6	19.5	10	MER1S4815SC	MER1
						3kV	82.5%							•		•	0.24	0.77	0.39	6	19.5	10	MEV1S4815SC	MEV1
	0.10A	1.5W	12V	10.8V	13.2V	8kV	75%							•	•		1.27	0.81	0.4	32.3	20.5	10.2	PWR1308AC	PWR13XXC
	0.134A	2W	5V	4.5V	9V	1kV	73%							•		•	0.36	0.86	0.44	9.2	21.8	11.1	NDL0515SC	NDL
					5.5V	1kV	85%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMG0515SC	NMG
						1kV	83%							•		•	0.30	0.55	0.39	7.5	14	10	NML0515SC	NML
						3kV	85%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK0515SAC	NMK
						5.2kV	79%							•		•	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0515SC	MEJ2
			12V	9V	18V	1kV	81%							•		•	0.36	0.86	0.44	9.2	21.8	11.1	NDL1215SC	NDL
				10.8V	13.2V	1kV	85%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMG1215SC	NMG
						1kV	85%							•		•	0.295	0.55	0.39	7.5	14	10	NML1215SC	NML
						3kV	84%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1215SAC	NMK
						5.2kV	80%							•		•	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1215SC	MEJ2
			15V	13.5V	16.5V	3kV	88%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1515SAC	NMK
						5.2kV	78%							•		•	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1515SC	MEJ2
			24V	18V	36V	1kV	83%							•		•	0.36	0.86	0.44	9.2	21.8	11.1	NDL2415SC	NDL
			24V	21.6V	26.4V	3kV	88%							•		•	0.30	0.77	0.4	7.5	19.5	10	NMK2415SAC	NMK
			48V	36V	72V	1kV	82%							•		•	0.36	0.86	0.44	9.2	21.8	11.1	NDL4815SC	NDL

Single Output Isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number	Datasheet
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
15V	0.2A	3W	5V	4.5	5.5	1kV	88%							•		•	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S0515SC	MEE3
						3kV	87.5%							•		•	0.24	0.77	0.39	6	19.5	10	MEV3S0515SC	MEV3
					9V	1kV	77%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDTS0515C	NDTS
							73%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDY0515C	NDY
							75%								•		1.25	0.8	0.45	31.8	20.2	11.4	UST-15/200-D5-C	UST-3W
			12V	9V	18V	1kV	76%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDTS1215C	NDTS
							79%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDY1215C	NDY
							75%								•		1.25	0.8	0.45	31.8	20.3	11.4	UST-15/200-D12-C	UST-3W
				10.8V	13.2V	1kV	89%							•		•	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S1215SC	MEE3
						3kV	89%							•		•	0.24	0.77	0.39	6	19.5	10	MEV3S1215SC	MEV3
			24V	18V	36V	1kV	84%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDTS2415C	NDTS
							82%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDY2415C	NDY
			48V	36V	72V	1kV	80%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDTS4815C	NDTS
							81%							•	•		0.58	1.27	0.28	14.7	32.3	7	NDY4815C	NDY
			48V	18V	72V	1kV	77%								•		1.25	0.8	0.45	31.8	20.3	11.4	UST-15/200-D48-C	UST-3W
	0.267A	4W	5V	4.5V	5.5V	8kV	80%							•	•		2	1	0.4	50.8	25.4	10.2	HB04U05S15QC	HB04UC
			12V	10.8V	13.2V	8kV	87%							•	•		2	1	0.4	50.8	25.4	10.2	HB04U12S15QC	
			15V	13.5V	16.5V	8kV	87%							•	•		2	1	0.4	50.8	25.4	10.2	HB04U15S15QC	
	0.33A	5W	24V	18V	36V	1kV	83%							•			1	1	0.45	25.4	25.4	11.4	UWR-15/335-D24-C	UWR 5W
			48V	36V	72V	1kV	83%							•			1	1	0.45	25.4	25.4	11.4	UWR-15/335-D48-C	
	0.4A	6W	24V	18V	36V	1.5kV	87%							•	•		1.26	0.79	0.39	32	20	10	NDS6S2415C	NDS6
	0.53A	8W	5V	4.7V	7.25V	1.5kV	77%							•			2	1	0.45	50.8	25.4	11.4	UWR-15/530-D5A-C	UWR 6-10W
	0.6A	9W	48V	18V	75V	1.5kV	84%							•			2	1	0.45	50.8	25.4	11.4	UWR-15/600-D48A-C	
	0.67A	10W	12V	9V	18V	1.5kV	85%							•			2	1	0.45	50.8	25.4	11.4	UWR-15/665-D12A-C	UWR 6-10W
			24V	18V	36V	1.5kV	86%							•	•		0.98	1.26	0.39	25	32	10	NPH10S2415EIC	NPH10S
														•	•		0.98	1.26	0.39	25	32	10	NPH10S2415IC	
	1A	15W	5V	4.7V	7.5V	1.5kV	82%							•			2	2	0.45	50.8	50.8	11.4	UWR-15/1000-D5A-C	UWR 14-20W
			12V	10V	18V	1.5kV	85%							•			2	1	0.49	50.8	25.4	12.5	UWR-15/1000-D12A-C	UWR 15W
			24V	18V	36V	1.5kV	87%							•	•		0.98	1.97	0.39	25	50	10	NPH15S2415EIC	NPH15S
														•	•		0.98	1.97	0.39	25	50	10	NPH15S2415IC	
			24V	18V	36V	1.5kV	87%							•			2	1	0.49	50.8	25.4	12.5	UWR-15/1000-D24A-C	UWR 15W
			48V	36V	75V	1.5kV	89%							•	•		0.98	1.97	0.39	25	50	10	NPH15S4815EIC	NPH15S
														•	•		0.98	1.97	0.39	25	50	10	NPH15S4815IC	
							87%							•			2	1	0.49	50.8	25.4	12.5	UWR-15/1000-D48A-C	UWR 15W
	1.1A	16.5W	24V	9V	36V	2.25kV	85%							•			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-150-Q12	UEI 15W
			48V	18V	75V	2.25kV	85.3%							•			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-150-Q48	
	1.3A	20W	24V	9V	36V	1.5kV	85%							•			2	2	0.45	50.8	50.8	11.4	UWR-15/1300-D12A-C	UWR 14-20W
			48V	18V	75V	1.5kV	86%							•			2	2	0.45	50.8	50.8	11.4	UWR-15/1300-D48A-C	
	1.7A	25W	24V	18V	36V	1.5kV	87%							•	•		1.38	1.97	0.39	35	50	10	NPH25S2415EIC	NPH25S
														•	•		1.38	1.97	0.39	35	50	10	NPH25S2415IC	
	2A	30W	12V	9V	18V	1.5kV	89%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-D12-C	UHE 12-30W
			24V	9V	36V	1.5kV	92%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-Q12-C	
						2.25kV	89%							•			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-150-Q12P-C	UEI30
				18V	36V	1.5kV	90%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-D24-C	UHE 12-30W
			48V	18V	75V	1.5kV	90.5%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-Q48-C	
						2.25kV	89.5%							•			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-150-Q48N-C	UEI30
				36V	75V	1.5kV	92%							•			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-D48-C	UHE 12-30W
						2.25kV	89%		•								0.9	1.3	0.36	22.9	33.02	9.14	ULS-15/2-D48	ULS-30W
	3.3A	49.5W	24V	9V	36V	2.25kV	90%							•			1.95	1.55	0.375	49.5	39.4	9.5	UEI-15/3.3-Q12P-C	UEI-50/60
	4A	60W	48V	18V	75		89.3%							•			1.95	1.55	0.375	49.5	39.4	9.5	UEI-15/4-Q48N-C	
	5A	75W	12V	9V	36	2.25kV	91.5%			•				•			2.3	0.38	0.9	58.4	9.7	22.9	UWE-15/5-Q12P-C	UWE
	6.7A	100.5W	48V	36V	75V	2.25kV	92%					•		•			2.4	2.3	0.4	61	58.4	10.2	UCH-15/6.7-D48N-C	UCH
											•			•			2.3	1.45	0.4	58.4	36.8	10.2	UCQ-15/6.7-D48N-C	UCQ
	7A	105W	12V	9V	36V	2kV	90.5%				•			•			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-15/7-Q12P-C	UQQ7-15A
			24V	18V	36V	2kV	93%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-15/7-D24P-C	UVQ
			48V	36V	75V	2.25kV	94%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-15/7-D48N-C	
18V	5.6A	100.8W	24V	18V	36V	2kV	90%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-18/5.6-D24P-C	UVQ
	6A	108W	48V	36V	75V	2.25kV	93%				•			•			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-18/6-D48N-C	

Dual Output

Bipolar Isolated DC-DC Converters

For analog/linear and other applications requiring bipolar/symmetric rail voltages, Murata Power Solutions' isolated duals generate ±3.3V, ±5V, ±12V or ±15V outputs from a single input voltage. Not surprisingly, our offering is the industry's broadest.

We offer bipolar duals with output power ranges from 0.75 to 20 Watts, input voltage ranges from 3 to 75 Volts, and package styles from sub-miniature SIPs, DIPs and SMDs to traditional 2" x 2" (51 x 51mm) through-hole devices. Isolation voltages run as high as 8,000Vdc. When relevant, all products offer UL/EN safety certifications, CE marks, and EMI/EMC testing.

If your available voltage is anywhere between 3.3 and 75 Volts and your need is ±3.3V, ±5V, ±12V or ±15V at moderate power levels – in a small area – we've got your solution.

Quick Selection Guide Listed by output power

	Vout ±3.3V	±5V	±9V	±12V	±15V	±24V	Series
1W		•	•	•	•		MEA1
		•	•	•	•		MTU1
	•	•	•	•	•		NKA
		•	•	•	•		NMA
		•	•	•	•		NMJ
		•	•	•	•		NMV
	•	•	•	•	•		NTA
		•	•	•	•		NTV
1.5W		•		•	•		PWR13XXC
					•		PWR1726AC

	Vout ±3.3V	±5V	±9V	±12V	±15V	±24V	Series
2W	•	•	•	•	•		MEJ2
		•	•	•	•	•	NMH
		•	•	•	•		NMK
		•	•	•	•		NMS
		•	•	•	•		NTH
3W		•		•	•		BST *3W*
		•		•	•		BWR *3W*
				•	•		NDH
	•	•		•	•		NDTD
					•		PWR70C
4W		•		•			HB04UC
5W		•		•	•		BWR *5W*
					•		PWR1546AC

	Vout ±3.3V	±5V	±9V	±12V	±15V	±24V	Series
6W		•		•	•		NCS6
		•		•	•		NDS6
7W		•					BWR *7-10W*
8W		•		•	•		BWR *7-10W*
15W		•		•	•		BEI
		•					BWR *15-17W*
		•		•	•		BWR *15-20W*
17W				•	•		BWR *15-17W*
		•		•	•		BWR *15-20W*

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							*Inches*			mm			Part Number	Datasheet
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
±3.3V	±0.152A	1W	3.3V	2.97V	3.63V	3kV	74%					•	•		*0.39*	*0.77*	*0.21*	9.8	19.5	5.4	NKA0303DC	NKA
												•		•	*0.23*	*0.65*	*0.3*	6.0	16.6	7.6	NKA0303SC	
						1kV	75%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTA0303MC	NTA
			5V	4.5V	5.5V	3kV	77%					•	•		*0.39*	*0.77*	*0.21*	9.8	19.5	5.4	NKA0503DC	NKA
												•		•	*0.23*	*0.65*	*0.3*	6	16.6	7.6	NKA0503SC	
						1kV	77%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTA0503MC	NTA
	±.303A	2W	5V	4.5V	5.5V	5.2kV	71%					•		•	*0.5*	*0.77*	*0.39*	12.7	19.7	10.0	MEJ2D0503SC	MEJ2
			12	10.8V	13.2V	5.2kV	75%					•		•	*0.5*	*0.77*	*0.39*	12.7	19.7	10.0	MEJ2D1203SC	
	±0.454A	3W	5V	4.5V	9V	1kV	67%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD0503C	NDTD
			12V	9V	18V	1kV	73%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD1203C	
			24V	18V	36V	1kV	73%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD2403C	
			48V	36V	75V	1kV	72%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD4803C	
±5V	±0.1A	1W	3.3V	2.97V	3.63V	1kV	83%				•				*0.323*	*0.331*	*0.335*	8.2	8.4	8.5	MTU1D0305MC	MTU1
							78%				•				*0.30*	*0.60*	*0.26*	7.7	15.2	6.6	NTA0305MC	NTA
						3kV	79%					•	•		*0.39*	*0.77*	*0.21*	9.8	19.5	5.4	NKA0305DC	NKA
												•		•	*0.23*	*0.65*	*0.30*	6.0	16.6	7.6	NKA0305SC	

Dual Output Bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm			Part Number	Datasheet
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
±5V																						
			5V	4.5V	5.5V	1kV	85%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0505DC	MEA1
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0505SC	
							84%				•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0505MC	MTU1
						3kV	70%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA0505DC	NKA
							80%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA0505DEC	
							70%					•		•	0.23	0.65	0.30	6.0	16.6	7.6	NKA0505SC	
							80%					•		•	0.23	0.65	0.30	6.0	16.6	7.6	NKA0505SEC	
						1kV	69%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA0505DC	NMA
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMA0505SC	
						5.2kV	60%					•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0505SC	NMJ
						3kV	71.5%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV0505DC	NMV
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMV0505SC	
						1kV	69%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTA0505MC	NTA
						1kV	80%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTA0505MEC	
						3kV	71%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTV0505MC	NTV
			12V	10.8V	13.2V	1kV	85%				•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1205MC	MTU1
						1kV	84.5%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1205DC	MEA1
	±0.1A	1W					85%					•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1205SC	
						3kV	74%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA1205DC	NKA
												•		•	0.23	0.65	0.30	6.0	16.6	7.6	NKA1205SC	
						1kV	69%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA1205DC	NMA
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMA1205SC	
						5.2kV	60%					•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1205SC	NMJ
						3kV	71%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV1205DC	NMV
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMV1205SC	
						1kV	69%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTA1205MC	NTA
						3kV	73%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTV1205MC	NTV
			15V	13.5V	16.5V	1kV	84%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1505DC	MEA1
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1505SC	
							71%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA1505DC	NMA
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMA1505SC	
						3kV	69					•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMV1505SC	NMV
			24V	21.6V	26.4V	1kV	84.5					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D2405DC	MEA1
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D2405SC	
			48V	43.2V	52.8V	1kV	80%					•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D4805SC	MEA1
	±0.15A	1.5W	5V	4.5V	5.5V	8kV	75%					•	•		1.27	0.81	0.4	32.3	20.5	10.2	PWR1303AC	PWR13XXC
			12V	10V	13.2V	8kV	75%					•	•		1.27	0.81	0.4	32.3	20.5	10.2	PWR1309AC	
			5V	4.5V	5.5V	1kV	80%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH0505DC	NMH
												•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH0505SC	
						1kV	80%				•				0.50	0.70	0.21	12.7	17.8	6.0	NTH0505MC	NTH
						3kV	83%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK0505SC	NMK
						5.2kV	76%					•		•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0505SC	MEJ2
						6kV	74%					•	•		0.58	1.28	0.37	14.7	32.6	9.4	NMS0505C	NMS
			12V	10.8V	13.2V	1kV	80%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH1205DC	NMH
												•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH1205SC	
						1kV	80%				•				0.50	0.70	0.21	12.7	17.8	6.0	NTH1205MC	NTH
	±0.2A	2W				3kV	84%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1205SC	NMK
						5.2kV	79%					•		•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1205SC	MEJ2
						6kV	78%					•	•		0.58	1.28	0.37	14.7	32.6	9.4	NMS1205C	NMS
			15V	13.5V	16.5V	3kV	84%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1505SC	NMK
						5.2kV	78%					•		•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1505SC	MEJ2
			24V	21.6V	26.4V	1kV	81%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH2405DC	NMH
												•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH2405SC	
						3kV	84%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK2405SC	NMK
			48V	43V	52.8V	1kV	82%					•	•		0.39	0.77	0.303	9.8	19.5	7.7	NMH4805DC	NMH
				43.2V	52.8V	1kV	82%					•		•	0.3	0.77	0.4	7.5	19.5	10.0	NMH4805SC	

Dual Output Bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm			Part Number	Datasheet
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
±5V	±0.25A	2.5W	12V	9V	18V	1kV	78%						•		1.25	0.8	0.45	31.8	20.3	11.4	BST-5/250-D12-C	BST-3W
							77%					•	•		1.25	0.8	0.45	31.8	20.3	11.4	BWR-5/250-D12-C	BWR 3W
			48V	18V	72V	1kV	76%						•		1.25	0.8	0.45	31.8	20.3	11.4	BST-5/250-D48-C	BST-3W
							77%					•	•		1.25	0.8	0.45	31.8	20.3	11.4	BWR-5/250-D48-C	BWR 3W
	±0.3A	3W	12V	9V	18V	1kV	75%					•	•		0.58	1.27	0.27	14.7	32.3	7	NDTD1205C	NDTD
			24V	18V	36V	1kV	78%					•	•		0.58	1.27	0.27	14.7	32.3	7	NDTD2405C	
			48V	36V	75V	1kV	76%					•	•		0.58	1.27	0.27	14.7	32.3	7	NDTD4805C	
	±0.4A	4W	12V	10.8V	13.2V	8kV	88%					•	•		2	1	0.40	50.8	25.4	10.2	HB04U12D05QC	HB04UC
	±0.5A	5W	24V	18V	36V	1kV	78%					•			1	1	0.45	25.4	25.4	11.4	BWR-5/500-D24-C	BWR-5W
			48V	36V	72V	1kV	78%					•			1	1	0.45	25.4	25.4	11.4	BWR-5/500-D48-C	
	±0.6A	6W	12V	9V	36V	1.5kV	82%					•	•		1.26	0.79	0.39	32	20	10	NCS6D1205C	NCS6
			24V	18V	36V	1.5kV	83%					•	•		1.26	0.79	0.39	32	20	10	NDS6D2405C	NDS6
			48V	18V	75V	1.5kV	80%					•	•		1.26	0.79	0.39	32	20	10	NCS6D4805C	NCS6
	±0.7A	7W	5V	4.7V	7.25V	1.5kV	79%					•			2	1	0.38	50.8	25.4	9.5	BWR-5/700-D5A-C	BWR7-10W A-Series
			48V	18V	75V	1.5kV	81%					•			2	1	0.38	50.8	25.4	9.5	BWR-5/700-D48A-C	
	±0.9A	9W	12V	9V	18V	1.5kV	82%					•			2	1	0.38	50.8	25.4	9.5	BWR-5/900-D12A-C	BWR7-10W A-Series
	±1.5A	15W	5V	4.7V	7.5V	1.5kV	80%					•			2	2	0.45	50.8	50.8	11.4	BWR-5/1500-D5A-C	BWR15-20W A-Series
			12V	10V	18V	1.5kV	81%					•			2	1	0.47	50.8	25.4	11.8	BWR-5/1500-D12A-C	BWR15-17W A-Series
			24V	9V	36V	2.25kV	84%					•			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-050-Q12	BEI15-Series
				18V	36V	1.5kV	83%					•			2	1	0.47	50.8	25.4	11.8	BWR-5/1500-D24A-C	BWR15-17W A-Series
			48V	18V	75V	2.25kV	83.5%					•			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-050-Q48	BEI15-Series
				36V	75V	1.5kV	83%					•			2	1	0.47	50.8	25.4	11.8	BWR-5/1500-D48A-C	BWR15-17W A-Series
	±1.70A	17W	12V	9V	36V	1.5kV	83%					•			2	2	0.45	50.8	50.8	11.4	BWR-5/1700-D12A-C	BWR15-20W A-Series
			48V	18V	75V	1.5kV	83%					•			2	2	0.45	50.8	50.8	11.4	BWR-5/1700-D48A-C	
±9V	±0.055A	1W	3.3V	2.97V	3.63V	3kV	75%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA0309DC	NKA
												•		•	0.23	0.65	0.3	6	16.6	7.6	NKA0309SC	
											•				0.3	0.6	0.26	7.7	15.2	6.6	NTA0309MC	NTA
			5V	4.5V	5.5V	1kV	86.7					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0509DC	MEA1
							86.5					•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0509SC	
						3kV	76%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA0509DC	NKA
												•		•	0.23	0.65	0.3	6	16.6	7.6	NKA0509SC	
						1kV	75%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA0509DC	NMA
												•		•	0.24	0.77	0.39	6	19.5	10	NMA0509SC	
						5.2kV	65%					•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0509SC	NMJ
						3kV	76%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV0509DC	NMV
												•		•	0.24	0.77	0.39	6	19.5	10	NMV0509SC	
						1kV	75%				•				0.3	0.6	0.26	7.7	15.2	6.6	NTA0509MC	NTA
						3kV	77%				•				0.3	0.6	0.26	7.7	15.2	6.6	NTV0509MC	NTV
			12V	10.8V	13.2V	1kV	86.5					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1209DC	MEA1
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1209SC	
						3kV	79%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA1209DC	NKA
												•		•	0.23	0.65	0.30	6	16.6	7.6	NKA1209SC	
						1kV	74%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA1209DC	NMA
												•		•	0.24	0.77	0.39	6	19.5	10.0	NMA1209SC	
						5.2kV	65%					•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1209SC	NMJ
	±0.056A		5	4.5	5.5	1kV	86%				•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0509MC	MTU1
			12	10.8	13.2	1kV	87%				•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1209MC	MTU1
	±0.111	2W	5V	4.5V	5.5V	5.2kV	79%					•		•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0509SC	MEJ2
			12	10.8V	13.2V	5.2kV	81%					•		•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1209SC	
			15V	13.5V	16.5V	5.2kV	80%					•		•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1509SC	

Dual Output Bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							*Inches*			mm			Part Number	Datasheet
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
±9V																						
	±0.055A	**1W**	12V	10.8V	13.2V	3kV	74%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMV1209DC	NMV
						3kV	74%					•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMV1209SC	
						1kV	74%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTA1209MC	NTA
						3kV	79%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTV1209MC	NTV
			15V	13.5V	16.5V	1kV	87%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D1509DC	MEA1
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D1509SC	
			24V	21.6V	26.4V	1kV	87%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D2409DC	
							87.5%					•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D2409SC	
			48V	43.2V	52.8V	1kV	82%					•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D4809SC	MEA1
	±0.111A	**2W**	5V	4.5V	5.5V	1kV	81%					•	•		*0.39*	*0.77*	*0.3*	9.8	19.5	7.7	NMH0509DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH0509SC	
						3kV	86%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK0509SC	NMK
						6kV	76%					•	•		*0.58*	*1.28*	*0.37*	14.7	32.6	9.4	NMS0509C	NMS
						1kV	81%				•				*0.5*	*0.7*	*0.21*	12.7	17.8	6.0	NTH0509MC	NTH
			12V	10.8V	13.2V	1kV	83%					•	•		*0.39*	*0.77*	*0.30*	9.8	19.5	7.7	NMH1209DC	NMH
						1kV	83%					•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH1209SC	
						3kV	87%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1209SC	NMK
						6kV	81%					•	•		*0.58*	*1.28*	*0.37*	14.7	32.6	9.4	NMS1209C	NMS
						1kV	83%				•				*0.5*	*0.7*	*0.21*	12.7	17.8	6.0	NTH1209MC	NTH
			15V	13.5V	16.5V	3kV	86%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1509SC	NMK
			24V	21.6V	26.4V	1kV	85%					•	•		*0.39*	*0.77*	*0.3*	9.8	19.5	7.7	NMH2409DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH2409SC	
						3kV	87%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK2409SC	NMK
			48V	43.2V	52.8V	1kV	82%					•	•		*0.39*	*0.77*	*0.3*	9.8	19.5	7.7	NMH4809DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH4809SC	
±12V																						
	±0.042A	**1W**	3.3V	2.97V	3.63V	3kV	78%					•	•		*0.39*	*0.77*	*0.21*	9.8	19.5	5.4	NKA0312DC	NKA
												•		•	*0.23*	*0.65*	*0.3*	6	16.6	7.6	NKA0312SC	
						1kV	77%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTA0312MC	NTA
			5V	4.5V	5.5V	1kV	87%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D0512DC	MEA1
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D0512SC	
							87%				•				*0.323*	*0.331*	*0.335*	8.2	8.4	8.5	MTU1D0512MC	MTU1
							78%					•	•		*0.39*	*0.77*	*0.21*	9.8	19.5	5.4	NKA0512DC	NKA
												•		•	*0.23*	*0.65*	*0.3*	6	16.6	7.6	NKA0512SC	
							77%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMA0512DC	NMA
												•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMA0512SC	
						5.2kV	65%					•		•	*0.39*	*0.77*	*0.49*	9.8	19.5	12.5	NMJ0512SC	NMJ
						3kV	78%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMV0512DC	NMV
												•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMV0512SC	
						1kV	77%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTA0512MC	NTA
						3kV	79%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTV0512MC	NTV
			12V	10.8V	13.2V	1kV	89%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D1212DC	MEA1
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D1212SC	
							88%				•				*0.323*	*0.331*	*0.335*	8.2	8.4	8.5	MTU1D1212MC	MTU1
						3kV	81%					•	•		*0.39*	*0.77*	*0.21*	9.8	19.5	5.4	NKA1212DC	NKA
												•		•	*0.23*	*0.65*	*0.30*	6	16.6	7.6	NKA1212SC	
						1kV	75%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMA1212DC	NMA
												•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMA1212SC	
						5.2kV	65%					•		•	*0.39*	*0.77*	*0.49*	9.8	19.5	12.5	NMJ1212SC	NMJ
						3kV	75%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMV1212DC	NMV
												•		•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMV1212SC	
						1kV	75%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTA1212MC	NTA
						3kV	80%				•				*0.3*	*0.6*	*0.26*	7.7	15.2	6.6	NTV1212MC	NTV
			15V	13.5V	16.5V	1kV	87.5%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D1512DC	MEA1
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D1512SC	

Dual Output Bipolar

Output Characteristics Rated Output Voltages	Rated Output Currents	Total Output Power	Input Voltage Nom.	Min.	Max.	Isolation	Efficiency	Package Style Bricks 1/8	1/4	1/2	SM	TH	DIP	SIP	Package Dimensions Inches L	W	H	mm L	W	H	Part Number (Note: Root part numbers may be shown. Please refer to datasheets for available options.)	Datasheet (Available at www.murata-ps.com)
±12V	**±0.042A**	**1W**	15V	13.5V	16.5V	1kV	78%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMA1512DC	NMA
														•	*0.24*	*0.77*	*0.39*	6	19.5	10	NMA1512DC	
						3kV	75%					•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMV1512SC	NMV
			24V	21.6V	26.4V	1kV	87%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D2412DC	MEA1
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	MEA1D2412SC	
			48V	43.2V	52.8V	1kV	83%					•		•	*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	MEA1D4812SC	MEA1
	±0.063A	**1.5W**	5V	4.5V	5.5V	8kV	75%					•	•		*1.27*	*0.81*	*0.4*	32.3	20.5	10.2	PWR1304AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%					•	•		*1.27*	*0.81*	*0.4*	32.3	20.5	10.2	PWR1310AC	
	±0.083A	**2W**	5V	4.5V	5.5V	1kV	82%					•	•		*0.39*	*0.77*	*0.3*	9.8	19.5	7.7	NMH0512DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH0512SC	
						3kV	87%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK0512SC	NMK
						6kV	77%					•	•		*0.58*	*1.28*	*0.37*	14.7	32.6	9.4	NMS0512C	NMS
						1kV	82%				•				*0.5*	*0.7*	*0.21*	12.7	17.8	6.0	NTH0512MC	NTH
			12V	10.8V	13.2V	1kV	84%					•	•		*0.39*	*0.77*	*0.30*	9.8	19.5	7.7	NMH1212DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH1212SC	NMH
						3kV	87%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1212SC	NMK
						6kV	82%					•	•		*0.58*	*1.28*	*0.37*	14.7	32.6	9.4	NMS1212C	NMS
						1kV	84%				•				*0.5*	*0.7*	*0.21*	12.7	17.8	6.0	NTH1212MC	NTH
			15V	13.5V	16.5V	3kV	88%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK1512SC	NMK
			24V	21.6V	26.4V	1kV	86%					•	•		*0.39*	*0.77*	*0.3*	9.8	19.5	7.7	NMH2412DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH2412SC	
			24V	21.6V	26.4V	3kV	89%					•		•	*0.30*	*0.77*	*0.4*	7.5	19.5	10	NMK2412SC	NMK
			48V	43.2V	52.8V	1kV	85%					•	•		*0.39*	*0.77*	*0.3*	9.8	19.5	7.7	NMH4812DC	NMH
												•		•	*0.3*	*0.77*	*0.4*	7.5	19.5	10	NMH4812SC	
	±0.11A	**3W**	5V	4.5V	9V	1kV	73%						•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	BST-12/105-D5-C	BST-3W
							72%					•	•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	BWR-12/105-D5-C	BWR 3W
	±0.13A	**3W**	5V	4.5V	9V	1kV	76%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7	NDTD0512C	NDTD
			12V	9V	18V	1kV	76%						•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	BST-12/125-D12-C	BST-3W
							75%					•	•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	BWR-12/125-D12-C	BWR 3W
							78%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7	NDTD1212C	NDTD
			24V	18V	36V	1kV	81%					•		•	*0.36*	*1.02*	*0.49*	9.3	26	12.5	NDH2412SC	NDH
							82%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7	NDTD2412C	NDTD
			48V	18V	72V	1kV	77%						•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	BST-12/125-D48-C	BST-3W
							80%					•	•		*1.25*	*0.8*	*0.45*	31.8	20.3	11.4	BWR-12/125-D48-C	BWR 3W
				36V	75V	1kV	80%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7	NDTD4812C	NDTD
	±0.167A	**4W**	15V	13.5V	16.5V	8kV	88%					•	•		*2*	*1*	*0.4*	50.8	25.4	10	HB04U15D12QC	HB04UC
	±0.21A	**5W**	24V	18V	36V	1kV	82%					•			*1*	*1*	*0.4*	25.4	25.4	11.4	BWR-12/210-D24-C	BWR-5W
			48V	36V	72V	1kV	82%					•			*1*	*1*	*0.4*	25.4	25.4	11.4	BWR-12/210-D48-C	
	±0.25A	**6W**	12V	9V	36V	1.5kV	86%					•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6D1212C	NCS6
			24V	18V	36V	1.5kV	87%					•	•		*1.26*	*0.79*	*0.39*	32	20	10	NDS6D2412C	NDS6
			48V	18V	75V	1.5kV	84%					•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6D4812C	NCS6
	±0.34A	**8W**	5V	4.7V	7.25V	1.5kV	78%					•			*2*	*1*	*0.4*	50.8	25.4	9.5	BWR-12/335-D5A-C	BWR 7-10W A-Series
	±0.42A	**10W**	12V	9V	18V	1.5kV	84%					•			*2*	*1*	*0.4*	50.8	25.4	9.5	BWR-12/415-D12A-C	
			48V	18V	75V	1.5kV	84%					•			*2*	*1*	*0.4*	50.8	25.4	9.5	BWR-12/415-D48A-C	
	±0.625A	**15W**	24V	9V	36V	2.25kV	86%					•			*1.1*	*0.35*	*0.96*	27.9	8.9	24.4	BEI15-120-Q12	BEI15-Series
			48V	18V	75V		85.5%					•			*1.1*	*0.35*	*0.96*	27.9	8.9	24.4	BEI15-120-Q48	
	±0.63A	**15W**	5V	4.7V	7.5V	1.5kV	81%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	BWR-12/625-D5A-C	BWR 15-20W A-Series
	±0.73A	**17W**	12V	10V	18V	1.5kV	83.5%					•			*2*	*1*	*0.47*	50.8	25.4	11.8	BWR-12/725-D12A-C	BWR 15-17W A-Series
			24V	18V	36V	1.5kV	85%					•			*2*	*1*	*0.47*	50.8	25.4	11.8	BWR-12/725-D24A-C	
			48V	36V	75V	1.5kV	86%					•			*2*	*1*	*0.47*	50.8	25.4	11.8	BWR-12/725-D48A-C	
		20W	24V	9V	36V	1.5kV	83%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	BWR-12/830-D12A-C	BWR 15-20W A-Series
			48V	18V	75V	1.5kV	83%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	BWR-12/830-D48A-C	BWR 15-20W A-Series
	±0.84A	**2W**	5V	4.5V	5.5V	5.2kV	80%							•	*0.5*	*0.77*	*0.39*	12.7	19.7	10.0	MEJ2D0512SC	MEJ2
			12	10.8V	13.2V	5.2kV	81%							•	*0.5*	*0.77*	*0.39*	12.7	19.7	10.0	MEJ2D1212SC	
			15V	13.5V	16.5V	5.2kV	80%							•	*0.5*	*0.77*	*0.39*	12.7	19.7	10.0	MEJ2D1512SC	

Dual Output Bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm			Part Number	Datasheet
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Note: Root part numbers may be shown. Please refer to datasheets for available options.	Available at www.murata-ps.com
±15V	±0.033A	1W	3.3V	2.97V	3.63V	3kV	79%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA0315DC	NKA
												•		•	0.23	0.65	0.30	6	16.6	7.6	NKA0315SC	
						1kV	77%				•				0.3	0.6	0.26	7.7	15.2	6.6	NTA0315MC	NTA
			5V	4.5V	5.5V	1kV	87.5%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0515DC	MEA1
							87%					•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0515SC	
							88%				•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0515MC	MTU1
						3kV	79%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA0515DC	NKA
												•		•	0.23	0.65	0.30	6.0	16.6	7.6	NKA0515SC	
						1kV	78%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA0515DC	NMA
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMA0515SC	
						5.2kV	65%					•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0515SC	NMJ
						3kV	79%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV0515DC	NMV
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMV0515SC	
						1kV	78%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTA0515MC	NTA
						3kV	80%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTV0515MC	NTV
			12V	10.8V	13.2V	1kV	88%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1215DC	MEA1
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1215SC	
							88%				•				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1215MC	MTU1
						3kV	82%					•	•		0.39	0.77	0.21	9.8	19.5	5.4	NKA1215DC	NKA
												•		•	0.23	0.65	0.30	6.0	16.6	7.6	NKA1215SC	
						1kV	76%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMA1215DC	NMA
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMA1215SC	
						5.2kV	65%					•		•	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1215SC	NMJ
						3kV	76%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	NMV1215DC	NMV
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMV1215SC	
						1kV	76%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTA1215MC	NTA
						3kV	82%				•				0.30	0.60	0.26	7.7	15.2	6.6	NTV1215MC	NTV
			15V	13.5V	16.5V	1kV	89.5%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1515DC	MEA1
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1515SC	
							80%						•	•	0.39	0.77	0.27	9.8	19.5	6.8	NMA1515DC	NMA
												•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMA1515SC	
	±0.033A	1W	15V	13.5V	16.5V	3kV	77%					•		•	0.24	0.77	0.39	6.0	19.5	10.0	NMV1515SC	NMV
			24V	21.6V	26.4V		88%					•	•		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D2415DC	MEA1
							88.5%					•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D2415SC	
			48V	43.2V	52.8V	1kV	83.5					•		•	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D4815SC	MEA1
	±0.05A	1.5W	5V	4.5V	5.5V	8kV	75%					•	•		1.27	0.81	0.40	32.3	20.5	10.2	PWR1305AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%					•	•		1.27	0.81	0.40	32.3	20.5	10.2	PWR1311AC	
				7V	16V	5kV	69%					•	•		1.65	1.13	0.41	41.9	28.6	10.3	PWR1726AC	PWR1726AC
			15V	13.5V	16.5V	8kV	75%					•	•		1.27	0.81	0.40	32.3	20.5	10.2	PWR1317AC	PWR13XXC
	±0.067A	2W	5V	4.5V	5.5V	1kV	84%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH0515DC	NMH
												•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH0515SC	
						1kV	84%				•				0.50	0.70	0.21	12.7	17.8	6.0	NTH0515MC	NTH
						3kV	87%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK0515SC	NMK
						5.2kV	79%							•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0515SC	MEJ2
						6kV	78%					•	•		0.58	1.28	0.37	14.7	32.6	9.4	NMS0515C	NMS
			12V	10.8V	13.2V	1kV	84%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH1215DC	NMH
												•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH1215SC	
						1kV	84%				•				0.50	0.70	0.21	12.7	17.8	6.0	NTH1215MC	NTH
						3kV	87%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1215SC	NMK
						5.2kV	82%							•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1215SC	MEJ2
						6kV	82%					•	•		0.58	1.28	0.37	14.7	32.6	9.4	NMS1215C	NMS
			15V	13.5V	16.5V	1kV	84%					•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH1515SC	NMH
						3kV	88%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK1515SC	NMK
						5.2kV	79%							•	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1515SC	MEJ2
			24V	21.6V	26.4V	1kV	86%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH2415DC	NMH
												•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH2415SC	
						3kV	89%					•		•	0.30	0.77	0.4	7.5	19.5	10	NMK2415SC	NMK
			48V	43.2V	52.8V	1kV	85%					•	•		0.39	0.77	0.30	9.8	19.5	7.7	NMH4815DC	NMH
			48V	43.2V	52.8V	1kV	85%					•		•	0.30	0.77	0.40	7.5	19.5	10.0	NMH4815SC	

Dual Output Bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							*Inches*			mm			Part Number	Datasheet
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	*Note: Root part numbers may be shown. Please refer to datasheets for available options.*	*Available at www.murata-ps.com*
±15V	±0.1A	3W	5V	4.5V	9V	1kV	74%						•		*1.25*	*0.80*	*0.45*	31.8	20.3	11.4	BST-15/85-D5-C	BST-3W
							72%					•	•		*1.25*	*0.80*	*0.45*	31.8	20.3	11.4	BWR-15/85-D5-C	BWR-3W
							75%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD0515C	NDTD
			12V	9V	18V	1kV	76%						•		*1.25*	*0.80*	*0.45*	31.8	20.3	11.4	BST-15/100-D12-C	BST-3W
							75%					•	•		*1.25*	*0.80*	*0.45*	31.8	20.3	11.4	BWR-15/100-D12-C	BWR-3W
							78%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD1215C	NDTD
			15V	10V	18V	5kV	66%					•	•		*1.13*	*1.13*	*0.41*	28.6	28.6	10.7	PWR70C	PWR70C
				18V	36V	1kV	82%					•		•	*0.36*	*1.02*	*0.49*	9.3	26.0	12.5	NDH2415SC	NDH
												•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD2415C	NDTD
			48V	18V	72V	1kV	77%						•		*1.25*	*0.80*	*0.45*	31.8	20.3	11.4	BST-15/100-D48-C	BST-3W
							80%					•	•		*1.25*	*0.80*	*0.45*	31.8	20.3	11.4	BWR-15/100-D48-C	BWR-3W
				36V	75V	1kV	81%					•	•		*0.58*	*1.27*	*0.27*	14.7	32.3	7.0	NDTD4815C	NDTD
	±0.133A	4W	12V	10.8V	13.2V	8kV	88%					•	•		*2.00*	*1.00*	*0.40*	50.8	25.4	10.2	HB04U12D15QC	HB04UC
			15V	13.5V	16.5V	8kV	88%					•	•		*2.00*	*1.00*	*0.40*	50.8	25.4	10.2	HB04U15D15QC	
	±0.167A	5W	5V	4.5V	5.5V	0.75kV	60%					•	•		*2.00*	*2.00*	*0.40*	50.8	50.8	10.2	PWR1546AC	PWR1546A
			24V	18V	36V	1kV	83%					•			*1.00*	*1.00*	*0.45*	25.4	25.4	11.4	BWR-15/165-D24-C	BWR-5W
			48V	36V	72V	1kV	82%					•			*1.00*	*1.00*	*0.45*	25.4	25.4	11.4	BWR-15/165-D48-C	
	±0.20A	6W	12V	9V	36V	1.5kV	87%					•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6D1215C	NCS6
			24V	18V	36V	1.5kV	87.5%					•	•		*1.26*	*0.79*	*0.39*	32	20	10	NDS6D2415C	NDS6
			48V	18V	75V	1.5kV	84%					•	•		*1.26*	*0.79*	*0.39*	32	20	10	NCS6D4815C	NCS6
	±0.28A	8W	5V	4.7V	7.25V	1.5kV	79%					•			*2.00*	*1.00*	*0.38*	50.8	25.4	9.5	BWR-15/275-D5A-C	BWR 7-10W A-Series
	±0.33A	10W	12V	9V	18V	1.5kV	84%					•			*2.00*	*1.00*	*0.38*	50.8	25.4	9.5	BWR-15/330-D12A-C	
			48V	18V	75V	1.5kV	84%					•			*2.00*	*1.00*	*0.38*	50.8	25.4	9.5	BWR-15/330-D48A-C	
	±0.50A	15W	5V	4.7V	7.5V	1.5kV	82%					•			*2.00*	*2.00*	*0.45*	50.8	50.8	11.4	BWR-15/500-D5A-C	BWR 15-20W A-Series
			24V	9V	36V	2.25kV	84%					•			*1.1*	*0.35*	*0.96*	27.9	8.9	24.4	BEI15-150-Q12	BEI15-Series
			48V	18V	75V		86%					•			*1.1*	*0.35*	*0.96*	27.9	8.9	24.4	BEI15-150-Q48	
	±0.58A	17W	12V	10V	18V	1.5kV	84%					•			*2.00*	*1.00*	*0.47*	50.8	25.4	11.8	BWR-15/575-D12A-C	BWR 15-17W A-Series
			24V	18V	36V	1.5kV	86%					•			*2.00*	*1.00*	*0.47*	50.8	25.4	11.8	BWR-15/575-D24A-C	
			48V	36V	75V	1.5kV	87%					•			*2.00*	*1.00*	*0.47*	50.8	25.4	11.8	BWR-15/575-D48A-C	
	±0.67A	20W	12V	9V	36V	1.5kV	83%					•			*2.00*	*2.00*	*0.45*	50.8	50.8	11.4	BWR-15/670-D12A-C	BWR 15-20W A-Series
			48V	18V	75V	1.5kV	84%					•			*2.00*	*2.00*	*0.45*	50.8	50.8	11.4	BWR-15/670-D48A-C	

Dual Output

Asymmetric Isolated DC DC Converter Series

When your application requires multiple positive voltages and you can't easily derive one from the other using a non-isolated PoL, consider an asymmetric dual.

Asymmetric duals are isolated, 2-output DC/DC converters that typically provide two low voltages such as 3.3V and 1.8V. As such, they are ideal for driving the core and I/O logic of complex PLDs or ASICs. On DSL line cards, they can power both the DSP and the line drivers. In evolving process-control systems, they can power older 5V logic and newer 3.3V micros.

Asymmetric duals provide the real estate and cost savings of a single package with one set of input circuitry (stand-up caps, filters, etc.). On the output side, many duals feature 2-loop designs that effectively deliver two independently regulated converters in a single package . . . with a standard pinout and internationally recognized safety approvals.

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							*Inches*			mm			Part Number *Note: Root part numbers may be shown. Please refer to datasheets for available options.*	Datasheet *Available at www.murata-ps.com*
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H		
5/3.3V	2.65/3A	15W	12V	10V	18V	1.5kV	86%				•				*2.00*	*1.00*	*0.52*	50.8	25.4	13.2	DSM-5/2.65-3.3/3-D12-C	DSM-15W
												•			*2.00*	*1.00*	*0.45*	50.8	25.4	11.4	DWR-5/2.65-3.3/3-D12-C	
			24V	18V	36V	1.5kV	86%				•				*2.00*	*1.00*	*0.52*	50.8	25.4	13.2	DSM-5/2.65-3.3/3-D24-C	
												•			*2.00*	*1.00*	*0.45*	50.8	25.4	11.4	DWR-5/2.65-3.3/3-D24-C	
			48V	36V	75V	1.5kV	86%				•				*2.00*	*1.00*	*0.52*	50.8	25.4	13.2	DSM-5/2.65-3.3/3-D48-C	
												•			*2.00*	*1.00*	*0.45*	50.8	25.4	11.4	DWR-5/2.65-3.3/3-D48-C	
	3/4.25A	30W	12V	10V	18V	1.5kV	85%					•			*2.00*	*2.00*	*0.48*	50.8	50.8	12.2	BWR-5/3-3.3/4.25-D12A-C	BWR-5/3.3 30W
			24V	18V	36V	1.5kV	88%					•			*2.00*	*2.00*	*0.48*	50.8	50.8	12.2	BWR-5/3-3.3/4.25-D24A-C	
			48V	36V	75V	1.5kV	88%					•			*2.00*	*2.00*	*0.48*	50.8	50.8	12.2	BWR-5/3-3.3/4.25-D48A-C	
	6/7A	33W	12V	10V	18V	1.5kV	86%					•			*2.00*	*2.00*	*0.45*	50.8	50.8	11.4	BWR-5/6-3.3/7-D12-C	BWR-5/3.3 33W
			24V	18V	36V	1.5kV	88%					•			*2.00*	*2.00*	*0.45*	50.8	50.8	11.4	BWR-5/6-3.3/7-D24-C	
			48V	36V	75V	1.5kV	88%					•			*2.00*	*2.00*	*0.45*	50.8	50.8	11.4	BWR-5/6-3.3/7-D48-C	
5/5V	0.1/0.1A	1W	5V	4.5V	5.5V	1.0kV	70%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMD050505DC	NMD
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD050505SC	
5/9V	0.1/0.056A	1W	5V	4.5V	5.5V	1.0kV	80%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMD050509DC	NMD
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD050509SC	
			12V	10.8V	13.2V	1.0kV	80%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMD120509DC	
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD120509SC	
5/12V	0.1/0.042A	1W	5V	4.5V	5.5V	1.0kV	80%					•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD050512SC	NMD
			12V	10.8V	13.2V	1.0kV	80%					•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD120512SC	
5/15V	0.1/0.034A	1W	5V	4.5V	5.5V	1.0kV	80%					•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD050515SC	NMD
			12V	10.8V	13.2V	1.0kV	80%					•	•		*0.39*	*0.77*	*0.27*	9.8	19.5	6.8	NMD120515DC	
												•		•	*0.24*	*0.77*	*0.39*	6.0	19.5	10.0	NMD120515SC	

Triple Output

Isolated DC to DC Converters

If your challenge is to power an entire mixed-signal, analog/digital system partition from a single dc source voltage, Murata Power Solutions' high-quality, triple-output DC DC converters can provide your total solution.

Operating from inputs as low as 4.7V or as high as 75V, each of these full-featured power converters offers a 3.3V or 5V primary output (with current as high as 30 Amps) and either ±12V or ±15V auxiliary outputs (with currents as high as ±4.2 Amps).

Our versatile offering includes: the industry's smallest triples (1 x 2 inches, 25 x 50mm) at 8-22W power levels; slightly larger, wide-input (9-36V and 18-75V) devices at 20-30 Watt levels; and traditional 1/2-bricks at 100 Watts. One unique product offers 24, 48 and 72V outputs.

Before you specify two or three DC/DC converters to accomplish your task, see if a single 3-output device from Murata Power Solutions does the job.

Output Characteristics			Input Voltage					Package Style							Package Dimensions						Further Information	
								Bricks							*Inches*			mm				
Rated Output Voltages	Rated Output Currents	Total Output Power	Nom.	Min.	Max.	Isolation	Efficiency	1/8	1/4	1/2	SM	TH	DIP	SIP	*L*	*W*	*H*	L	W	H	Part Number *Note: Root part numbers may be shown. Please refer to datasheets for available options.*	Datasheet *Available at www.murata-ps.com*
5/±12V	**1/±0.13A**	**8W**	5V	4.7V	7V	1.5kV	76%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-12/125-D5A-C	TWR8-11W
	1/±0.21A	**8W**	12V	9V	18V	1.5kV	82%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-12/210-D12A-C	
			24V	18V	36V	1.5kV	84%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-12/210-D24A-C	
			48V	36V	72V	1.5kV	85%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-12/210-D48A-C	
	1.2/±0.25A	**12W**	48V	18V	72V	1.5kV	81%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/1200-12/250-D48A-C	TWR12-15W
	1.5/±0.25A	**14W**	48V	18V	72V	1.5kV	79%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/1500-12/250-D48A-C	
	3/±0.5A	**20W**	24V	9V	36V	1.5kV	82%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/3000-12/500-D12A-C	TWR 20W A-Series
			48V	18V	75V	1.5kV	83%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/3000-12/500-D48A-C	
5/±15V	**0.8/±0.15A**	**9W**	5V	4.7V	7V	1.5kV	74%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/800-15/150-D5A-C	TWR8-11W
	1/±0.2A	**11W**	12V	9V	18V	1.5kV	82%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-15/200-D12A-C	
			48V	36V	72V	1.5kV	84%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-15/200-D48A-C	
			24V	18V	36V	1.5kV	84%					•			*2*	*1*	*0.38*	50.8	25.4	9.5	TWR-5/1000-15/200-D24A-C	
	1/±0.25A	**11W**	48V	18V	72V	1.5kV	80%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/1000-15/250-D48A-C	TWR12-15W
	1.5/±0.25A	**15W**	48V	18V	72V	1.5kV	81%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/1500-15/250-D48A-C	
	3/±0.5A	**20W**	24V	9V	36V	1.5kV	82%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/3000-15/500-D12A-C	TWR 20W A-Series
			48V	18V	75V	1.5kV	82%					•			*2*	*2*	*0.45*	50.8	50.8	11.4	TWR-5/3000-15/500-D48A-C	
24/48/72V	**42/21/14mA**	**3W**	5V	4.5V	5.5V	1.0kV	85%					•		•	*0.30*	*0.86*	*0.44*	7.5	21.8	11.1	NMT0572SC	NMT
			12V	10.8V	13.2V	1.0kV	85%					•		•	*0.30*	*0.86*	*0.44*	7.5	21.8	11.1	NMT1272SC	

VRM Processor Support

Powering next generation 32-Bit and 64-Bit processors is becoming more demanding, requiring lower output voltages, higher currents, and higher di/dts.

Our VRM products are designed to meet and exceed the performance demanded by the next generation processors and are available in a variety of packages for an optimal fit in systems <1U to 2U with innovative open-frame designs that allow for better thermal management in today's system environments.

Output Characteristics				Input Voltage				Package Style												Further Information	
										Height											
VRM Spec	Thermal Design Current	Max. Output Current	Output Voltage Range (VDC)	Nom.	Min.	Max.	Efficiency	Card Edge	Thru Hole	<1U	1U	1.5U	2U	*L*	*W*	*H*	W	H		Part Number	Datasheet *Available at www.murata-ps.com*
Intel® 11.1	**80A**	**70A**	0.5-1.6	12	11.04	12.6	87%	•		•				*3.66*	*0.75*	*0.78*	92.96	19.05	19.81	VR111B080CA-C	VR111 Series
	150A	**130A**	0.5-1.6	12	11.04	12.6	87%	•			•			*3.80*	*0.87*	*1.18*	96.52	22.10	29.97	VR111B150CU-C	
								•				•		*3.80*	*1.00*	*1.86*	96.52	25.40	47.24	VR111B150CL-C	
								•					•	*3.80*	*0.87*	*2.50*	96.52	22.10	63.50	VR111B150CS-C	
Intel® 11.0	**80A**	**70A**	0.8375-1.6	12	11.04	12.6	88%	•		•				*3.66*	*0.75*	*0.78*	92.96	19.05	19.81	VR110B080CA-1C	VR110 Series
							84%	•			•			*3.80*	*0.475*	*1.18*	96.52	12.07	29.97	VR110B080CU-1C	
	150A	**130A**	0.8375-1.6	12	11.04	12.6	84%	•			•			*3.80*	*0.87*	*1.18*	96.52	22.10	29.97	VR110B150CU-1C	
								•				•		*3.80*	*1.00*	*1.86*	96.52	25.40	47.24	VR110B150CL-1C	
								•					•	*3.80*	*0.87*	*2.50*	96.52	22.10	63.50	VR110B150CS-1C	
	80A	**70A**	0.81875 -1.6	12	11.04	12.6	87%	•	•		•			*3.80*	*0.46*	*1.19*	96.49	11.70	30.15	VR11EB080CU-1C	VR11C & VR11E Series
								•	•		•			*3.80*	*0.46*	*1.19*	96.49	11.70	30.15	VR11CB080CE-1C	
								•	•		•			*3.80*	*0.46*	*1.19*	96.49	11.70	30.15	VR11CB080CU-1C	
	150A	**130A**	0.81875 -1.6	12	11.04	12.6	85%	•	•		•			*3.80*	*0.92*	*1.19*	96.49	23.20	30.15	VR11CB150CU-1C	
								•	•				•	*3.80*	*.085*	*2.41*	96.49	21.50	61.15	VR11CB150CS-1C	
Intel® 10.1/10.2	**150A**	**130A**	0.8375-1.6	12	11.04	12.6	85%	•			•			*3.80*	*0.87*	*1.18*	96.52	22.10	29.97	VR102B150CU-3C	VR102 Series
								•					•	*3.80*	*0.87*	*2.50*	96.52	22.10	63.50	VR102B150CS-2C	

A design-in guide featuring our more popular series

If you need product now, or within shorter lead times, the Selector Guides on the next two pages contain popular models most likely to be found in inventory at our authorized Distributors. With over 3,500 standard part numbers to choose from, there is a chance that our product data book and online search tools may lead you to a model with an availability that is not quite in line with your scheduling requirements. In that case, refer to the following selector tables for a model that could meet your immediate requirements.

AC/DC Front End

We also offer Custom AC/DC options. Contact us for details.

Series	Description	Power Ratings	Input	Output 1	Output 2	Efficiency	Features
D1U4CS	1U height 4" width	2200W	90-264 VAC	12VDC	3.3VDC 5VDC	93.0%	PFC, Active Current-Share, Hot-Plug, I²C Bus, EMI Class A
D1U4CS-D	1U height 4" width	2100W	40-72 VDC	54VDC	5VDC	93.0%	PFC, Droop Current-Share, Hot-Plug, I²C Bus, EMI Class A
D1U4	1U height 4" width	1600W 1200W	90-264 VAC	12VDC	3.3VDC 5VDC	90.6%	PFC, Active Current-Share, Hot-Plug, I²C Bus, EMI Class A
D1U	1U height 4.75" width	2000W 1600W 1200W	90-264 VAC	12VDC 48VDC	3.3VDC 5VDC 12VDC	90.6%	PFC, Active Current-Share, Hot-Plug, I²C Bus, EMI Class A
D1U-H	1U height 5.5" width	2800W	170-264 VAC	-52VDC	12VDC	91.6%	
MVAB120	1U height 2" x 4" footprint	120W @ 250LFM 75W Convection Cooling	90-264 VAC	12VDC 24VDC 48VDC		88% 90% 91%	PFC, Compliance To WW Safety & Emc Standards

Isolated DC/DC

See opposite page.

Miniature Industrial Package (Low Power)

Industrial Package

PoL

Output Current	5Vin SMT	5Vin SIP	12Vin SMT	12Vin SIP	24Vin SMT
1A-1.5A			OKL	OKR	
3A	OKY OKL/OKL2	OKX	OKL OKY	OKR OKX	OKI
5A	OKY	OKX	OKY	OKX	
6A	OKL/OKL2		OKL/OKL2	OKR	
10A	OKY/OKY2	OKX/OKX2	OKY/OKY2	OKR OKX/OKX2	
16A	OKY/OKY2	OKX/OKX2	OKY/OKY2	OKX/OKX2	

Processor Power

Murata Power Solutions offers a range of processor power modules that support both Intel and AMD devices.

- Intel support for VRM 9.1, VRM 10.1/10.2, VRM 11.0 and VRM 11.1
- AMD support for K8 processors

Isolated DC/DC

Package				Series	Input Voltages												Isolation (kVdc)	Output Voltages														Power (Watts)
					Nominal (±10%)							Range 2:1				Range 4:1			Single							Dual						Triple		
	Style	Encapsulated	Open Frame	Go to murata-ps.com for full product specifications	3.3V	5V	9V	12V	15V	24V	48V	4.5-9V	9-18V	18-36V	36-75V	9-36V	18-75V		1.2-15V	1.2-2.5V	3.3V	5V	9V	12V	15V	24V	±3.3V	±5V	±9V	±12V	±15V	±24V	5V/±12V	5V/±15V	
Miniature Industrial Package (Low Power)	SIP4/DIP8	•		**LME**		•		•										1				•	•	•	•								.25
		•		**NKE**	•	•		•										1			•	•	•	•	•								
		•		**NME**		•		•										1				•	•	•	•	•								
	SIP7	•		**NMJ**	•	•		•										5.2			•	•	•	•	•			•	•	•	•			
		•		**NMR**		•		•	•	•								1				•		•	•									
		•		**MER1**		•		•	•	•	•							1				•	•	•	•									
	SIP7/DIP14	•		**NMV**		•		•	•									3				•	•	•	•			•	•	•	•			
		•		**MEV1**		•		•	•	•	•							3				•	•	•	•			•	•	•	•			
		•		**MEA1**		•		•	•	•	•							1										•	•	•	•			
		•		**NKA**	•	•		•										1									•	•	•	•	•			
		•		**NMA**		•		•	•									1										•	•	•	•			
	SMD	•		**MTU**		•		•										1				•	•	•	•			•	•	•	•			
		•		**NTA**	•	•		•										1									•	•	•	•	•			
		•		**NTE**	•	•		•										1			•	•	•	•	•									
		•		**NTV**		•		•										3										•	•	•	•			
		•		**NTF**								*	*	•				1				•		•	•									
	DIP24	•		**PWR13**		•		•	•									8				•		•	•			•		•	•			1.5
	SIP4	•		**NML**		•		•										1				•	•	•	•									
	SIP7	•		**MEJ2**	•	•		•	•									5.2			•	•	•	•	•		•	•	•	•	•			
		•		**NMG**		•		•										1				•	•	•	•									
		•		**NMK**		•		•	•	•								3				•	•	•	•				•	•	•			
	SIP7/DIP14	•		**NMH**		•		•		•								1				•	•	•	•				•	•	•			
	SIP8	•		**NDL**								•	•	•	•			1				•	•	•	•									
	DIP24	•		**NMS**		•		•										6				•		•	•				•	•	•			
	SMD	•		**NTH**		•		•										1										•	•	•	•			
	SIP4	•		**MEE3**		•		•														•	•	•	•									
	SIP7	•		**MEV3**		•		•										3				•	•	•	•									
	SIP9	•		**NDH**										•				1												•	•			
	DIP24	•		**UST**								•	•				•	1				•		•	•									
		•		**BST**								•	•				•	1										•		•	•			
		•		**UWR**								•	•				•	1.5				•		•	•									
		•		**NDY, NDTS**								•	•	•	•			1			•	•	*	•	•									
		•		**NDTD**								•	•	•	•			1									•	•		•	•			
	DIP24	•		**NDS6**										•				1.5				•		•	•				•		•			6
		•		**NCS6**												•	•	1.5			•	•		•	•									
Industrial Package	1″x1″		•	**UEI15**												•	•	2.25			•	•		•	•									15
			•	**UEI25**											•			2.25			•	•		•										25
			•	**BEI15**												•	•	2.25										•		•	•			15
	1″x1.25″	•		**NPH10**											•	•		1.5			*	*		*	*									10
	1″x2″	•		**HB04U**		•		•	•									8				•		•	•			•		•	•			4
		•		**UWR, BWR,TWR**								*	•	•	•		•	1	•	•	•	•		•	•	•		•		•	•	•	•	6-22
		•		**NPH15**										•	•			1.5			*	*		*	*									15
	1.6″x2″		•	**UEI30**												•	•	2.25			•	•		•	•									30
			•	**UEI-50/60**												•	•	2.25			•	•		•	•									50-60
		•		**UHE**									•	•	•	•	•	1.5			•	•		•	•									30
	2″x2″	•		**UWR, BWR,TWR**								*	*	•	•	•	•	1.5		•	•	•		•	•	•	•			•	•	*	*	14-40
Brick Style	1/32		•	**ULT**											•			1.5	3.3, 5, 12V															24.75-30
	1/16		•	**ULS-30**											•			2.25	3.3, 12, 15V															26.5-30
			•	**ULS-60**											•			2.25	3.3, 5, 12V															60-66
			•	**UWS**													•	2.25	3.3, 5, 12V															49.5-54
	1/8		•	**RBE**											•			2.25	12V															234
			•	**UCE**											•			2.25	1.5, 1.8, 2.5, 3.3, 5, 12V															30-120
			•	**ULE**									•	•	•			2.25	1.5, 1.8, 2.5, 3.3, 5, 12, 24, 48V															30-72
			•	**UEE**											•			2.25	3.3V															50-99
			•	**UWE**												•	•	1.5	3.3, 5, 12, 15, 24V															66-120
	1/4		•	**HPQ**											•			2.25	3.3, 8.3, 12V															165-300
			•	**UCQ**											•	•		2.25	1.2-15V															36-132
			•	**UQQ**													•	2.25	3.3-24V															82-105
			•	**ULQ**											•	•		2.25	3.3, 5, 12V															22.5-120
			•	**UVQ**											•	•		2.25	1.5, 2.5, 3.3, 5, 12, 15, 18, 24, 48V															60-120
			•	**UWQ**													•	2.25	12V															204
	1/2		•	**EMH**													*	2.25	54V															162
			•	**HPH**											•			2.25	3.3V 5, 12V															120-360
			•	**UCH**											•	•		2.25	1.8, 2.5, 3.3, 5, 12, 15V															33-150

***Does not exactly match voltage/voltage range shown - please see datasheet for precise specifications.**

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2 Life Support Device means any device, system or ancillary equipment intended for implant into the body or used in relation to supporting or sustaining life.

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