ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

GU Snap-in Terminal Type, Wide Temperature Range

series

RCJ Approved (160V~) Anti-Solvent Feature (Through 100V only)

Approved by Reliability Center for Electronic Component, Japan-Certification No. RCJ-03-24D

- Withstanding 3000 hours application of ripple current at 105°C.
- Higher production efficiency due to 4.0mm long terminal.

GJ ← Low Profile — **GU** — Smaller → GN

Specifications

Item	Performance Characteristics
Category Temperature Range	– 40 ~ + 105°C (16 ~ 250V) , – 25 ~ +105°C (315 ~ 450V)
Rated Voltage Range	16 ~ 450V
Rated Capacitance Range	47~ 47000μF
Capacitance Tolerance	±20% at 120Hz, 20°C
Leakage Current	I ≦ 3√CV(μA) (After 5 minutes' application of rated voltage) [C : Rated Capacitance (μF), V : Voltage (V)]
tan δ	Measurement frequency : 120Hz, Temperature : 20°C

Rated voltage(V)	16	25	35	50	63	80·100	160~420	450
tan δ(MAX.)	0.50	0.40	0.35	0.30	0.25	0.20	0.15	0.20

Stability at Low Temperature — Measurement frequency : 120Hz

Rated voltage (V)		16~100	160~250	315~450
Impedance ratio ZT/Z20(MAX.)	Z—25°C/Z+20°C	4	3	8
	Z—40°C/Z+20°C	20	12	—

Endurance — After an application of DC voltage(in the range of rated DC voltage even after over-lapping the specified ripple current) for 3000 hours at 105°C, capacitors meet the characteristic requirements listed at right.

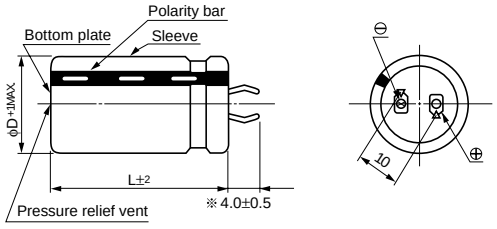
Capacitance change	Within ±20% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

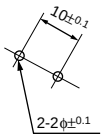
Shelf Life — After leaving capacitors under no load at 105°C for 1000 hours, they meet the characteristic requirements listed at right.

Capacitance change	Within ±15% of initial value
tan δ	150% or less of initial specified value
Leakage current	Initial specified value or less

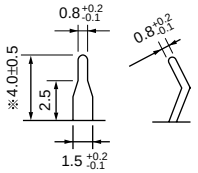
Marking — Printed with white color letter on dark green sleeve.

Drawing





(PC board hole dimensions)



(Terminal dimensions)

※ The other terminal is also available upon request.
Please refer page 195 for schematic of dimensions.

Type numbering system (Example : 200V 680μF)

1	2	3	4	5	6	7	8	9	10	11	12
L	G	U	2	D	6	8	1	M	H	L	A

Case dia. code
Configuration
Capacitance tolerance (±20%)
Rated Capacitance (680μF)
Rated voltage (200V)
Series name
Type

φD	Code
20	Y
22	Z
25	A
30	B
35	C

Frequency coefficient of rated ripple current

Frequency (Hz)		50	60	120	300	1k	10k	50k~
Coeff.	16~100V	0.88	0.90	1.00	1.07	1.15	1.15	1.15
	160~250V	0.81	0.85	1.00	1.17	1.32	1.45	1.50
	315~450V	0.77	0.82	1.00	1.16	1.30	1.41	1.43

Minimum order quantity : 50pcs.

■ Dimension table in next page.

GU series

■Dimensions

16V (1C)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
6800	22×25	1750	0.50	0.98	LGU1C682MHLZ
8200	22×30	2000	0.50	1.08	LGU1C822MHLZ
10000	22×30	2100	0.50	1.20	LGU1C103MHLZ
	25×25	2050	0.50	1.20	LGU1C103MHLA
12000	22×35	2310	0.50	1.31	LGU1C123MHLZ
	25×30	2300	0.50	1.31	LGU1C123MHLA
	30×25	2380	0.50	1.31	LGU1C123MHLB
15000	22×40	2680	0.50	1.46	LGU1C153MHLZ
	25×35	2680	0.50	1.46	LGU1C153MHLA
	30×30	2570	0.50	1.46	LGU1C153MHLB
18000	22×45	2980	0.50	1.60	LGU1C183MHLZ
	25×40	3160	0.50	1.60	LGU1C183MHLA
	30×30	3000	0.50	1.60	LGU1C183MHLB
22000	25×45	3400	0.50	1.77	LGU1C223MHLA
	30×35	3390	0.50	1.77	LGU1C223MHLB
	35×30	3250	0.50	1.77	LGU1C223MHLC
27000	25×50	3850	0.50	1.97	LGU1C273MHLA
	30×40	3830	0.50	1.97	LGU1C273MHLB
	35×30	3740	0.50	1.97	LGU1C273MHLC
33000	30×45	4300	0.50	2.17	LGU1C333MHLB
	35×35	4270	0.50	2.17	LGU1C333MHLC
39000	30×50	4810	0.50	2.36	LGU1C393MHLB
	35×40	4800	0.50	2.36	LGU1C393MHLC
47000	35×45	5530	0.50	2.60	LGU1C473MHLC

25V (1E)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
4700	22×25	1610	0.40	1.02	LGU1E472MHLZ
5600	22×30	1800	0.40	1.12	LGU1E562MHLZ
6800	22×30	1910	0.40	1.23	LGU1E682MHLZ
	25×25	1910	0.40	1.23	LGU1E682MHLA
8200	22×35	2140	0.40	1.35	LGU1E822MHLZ
	25×30	2340	0.40	1.35	LGU1E822MHLA
	30×25	2250	0.40	1.35	LGU1E822MHLB
10000	22×40	2650	0.40	1.50	LGU1E103MHLZ
	25×35	2610	0.40	1.50	LGU1E103MHLA
	30×30	2610	0.40	1.50	LGU1E103MHLB
12000	22×45	2690	0.40	1.64	LGU1E123MHLZ
	25×40	2810	0.40	1.64	LGU1E123MHLA
	30×30	2740	0.40	1.64	LGU1E123MHLB
15000	25×45	3270	0.40	1.83	LGU1E153MHLA
	30×35	3130	0.40	1.83	LGU1E153MHLB
	35×30	3260	0.40	1.83	LGU1E153MHLC
18000	25×50	3540	0.40	2.01	LGU1E183MHLA
	30×40	3560	0.40	2.01	LGU1E183MHLB
	35×35	3840	0.40	2.01	LGU1E183MHLC
22000	30×45	4240	0.40	2.22	LGU1E223MHLB
	35×35	3960	0.40	2.22	LGU1E223MHLC
27000	35×45	4750	0.40	2.46	LGU1E273MHLC
33000	35×50	5500	0.40	2.72	LGU1E333MHLC

35V (1V)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
3300	22×25	1450	0.35	1.01	LGU1V332MHLZ
3900	22×30	1690	0.35	1.10	LGU1V392MHLZ
4700	22×35	2020	0.35	1.21	LGU1V472MHLZ
	25×25	1780	0.35	1.21	LGU1V472MHLA
5600	22×35	2130	0.35	1.32	LGU1V562MHLZ
	25×30	2040	0.35	1.32	LGU1V562MHLA
	30×25	2120	0.35	1.32	LGU1V562MHLB
6800	22×40	2410	0.35	1.46	LGU1V682MHLZ
	25×35	2310	0.35	1.46	LGU1V682MHLA
	30×25	2310	0.35	1.46	LGU1V682MHLB
8200	22×50	2850	0.35	1.60	LGU1V822MHLZ
	25×40	2730	0.35	1.60	LGU1V822MHLA
	30×30	2750	0.35	1.60	LGU1V822MHLB
10000	25×45	3050	0.35	1.77	LGU1V103MHLA
	30×35	3050	0.35	1.77	LGU1V103MHLB
12000	25×50	3370	0.35	1.94	LGU1V123MHLA
	30×40	3280	0.35	1.94	LGU1V123MHLB
	35×30	3200	0.35	1.94	LGU1V123MHLC
15000	30×45	3740	0.35	2.17	LGU1V153MHLB
	35×35	3690	0.35	2.17	LGU1V153MHLC
18000	35×40	4370	0.35	2.38	LGU1V183MHLC
22000	35×50	4920	0.35	2.63	LGU1V223MHLC

50V (1H)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
1800	22×25	1340	0.30	0.90	LGU1H182MHLZ
2700	22×30	1700	0.30	1.10	LGU1H272MHLZ
	25×25	1700	0.30	1.10	LGU1H272MHLA
3300	22×35	1980	0.30	1.21	LGU1H332MHLZ
	25×30	2000	0.30	1.21	LGU1H332MHLA
3900	22×40	2250	0.30	1.32	LGU1H392MHLZ
	25×30	2280	0.30	1.32	LGU1H392MHLA
	30×25	2220	0.30	1.32	LGU1H392MHLB
4700	22×45	2560	0.30	1.45	LGU1H472MHLZ
	25×35	2610	0.30	1.45	LGU1H472MHLA
	30×30	2580	0.30	1.45	LGU1H472MHLB
5600	22×50	2890	0.30	1.58	LGU1H562MHLZ
	25×40	2810	0.30	1.58	LGU1H562MHLA
	30×30	2950	0.30	1.58	LGU1H562MHLB
6800	25×45	3370	0.30	1.74	LGU1H682MHLA
	30×35	3390	0.30	1.74	LGU1H682MHLB
	35×30	3310	0.30	1.74	LGU1H682MHLC
8200	30×40	3710	0.30	1.92	LGU1H822MHLB
	35×35	3660	0.30	1.92	LGU1H822MHLC
10000	30×50	4090	0.30	2.12	LGU1H103MHLB
	35×40	4070	0.30	2.12	LGU1H103MHLC
12000	35×45	4560	0.30	2.32	LGU1H123MHLC
15000	35×50	4770	0.30	2.59	LGU1H153MHLC

Rated Ripple (mA rms) at 105°C 120Hz

GU series

■Dimensions

63V (1J)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
1200	22×25	1250	0.25	0.82	LGU1J122MHLZ
1500	22×30	1470	0.25	0.92	LGU1J152MHLZ
	25×25	1440	0.25	0.92	LGU1J152MHLA
1800	22×30	1580	0.25	1.01	LGU1J182MHLZ
	25×25	1520	0.25	1.01	LGU1J182MHLA
2200	22×35	1820	0.25	1.11	LGU1J222MHLZ
	25×30	1750	0.25	1.11	LGU1J222MHLA
2700	22×40	2070	0.25	1.23	LGU1J272MHLZ
	25×35	2110	0.25	1.23	LGU1J272MHLA
	30×25	1930	0.25	1.23	LGU1J272MHLB
3300	22×45	2330	0.25	1.36	LGU1J332MHLZ
	25×35	2270	0.25	1.36	LGU1J332MHLA
	30×30	2240	0.25	1.36	LGU1J332MHLB
3900	25×40	2540	0.25	1.48	LGU1J392MHLA
	30×35	2550	0.25	1.48	LGU1J392MHLB
4700	25×50	2970	0.25	1.63	LGU1J472MHLA
	30×40	2900	0.25	1.63	LGU1J472MHLB
	35×30	2830	0.25	1.63	LGU1J472MHLC
5600	30×40	3280	0.25	1.78	LGU1J562MHLB
	35×35	3240	0.25	1.78	LGU1J562MHLC
6800	30×50	3730	0.25	1.96	LGU1J682MHLB
	35×40	3710	0.25	1.96	LGU1J682MHLC
8200	35×45	4160	0.25	2.15	LGU1J822MHLC
10000	35×50	4690	0.25	2.38	LGU1J103MHLC

80V (1K)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
820	22×25	1110	0.20	0.76	LGU1K821MHLZ
1000	22×25	1290	0.20	0.84	LGU1K102MHLZ
1200	22×30	1440	0.20	0.92	LGU1K122MHLZ
	25×25	1390	0.20	0.92	LGU1K122MHLA
1500	22×30	1610	0.20	1.03	LGU1K152MHLZ
	25×25	1620	0.20	1.03	LGU1K152MHLA
1800	22×35	1830	0.20	1.13	LGU1K182MHLZ
	25×30	1860	0.20	1.13	LGU1K182MHLA
	30×25	1810	0.20	1.13	LGU1K182MHLB
2200	22×40	2090	0.20	1.25	LGU1K222MHLZ
	25×35	2010	0.20	1.25	LGU1K222MHLA
	30×25	2100	0.20	1.25	LGU1K222MHLB
2700	25×40	2430	0.20	1.39	LGU1K272MHLA
	30×30	2430	0.20	1.39	LGU1K272MHLB
3300	25×45	2760	0.20	1.54	LGU1K332MHLA
	30×35	2780	0.20	1.54	LGU1K332MHLB
	35×30	2710	0.20	1.54	LGU1K332MHLC
3900	25×50	2920	0.20	1.67	LGU1K392MHLA
	30×40	3120	0.20	1.67	LGU1K392MHLB
	35×30	3070	0.20	1.67	LGU1K392MHLC
4700	30×45	3520	0.20	1.83	LGU1K472MHLB
	35×35	3500	0.20	1.83	LGU1K472MHLC
5600	30×50	3800	0.20	2.00	LGU1K562MHLB
	35×40	3870	0.20	2.00	LGU1K562MHLC
6800	35×45	4190	0.20	2.21	LGU1K682MHLC

100V (2A)					
Cap. (μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
560	22×25	1070	0.20	0.70	LGU2A561MHLZ
820	22×30	1350	0.20	0.85	LGU2A821MHLZ
	25×25	1350	0.20	0.85	LGU2A821MHLA
1000	22×30	1540	0.20	0.94	LGU2A102MHLZ
	25×30	1560	0.20	0.94	LGU2A102MHLA
1200	22×40	1740	0.20	1.03	LGU2A122MHLZ
	25×30	1760	0.20	1.03	LGU2A122MHLA
	30×25	1710	0.20	1.03	LGU2A122MHLB
1500	22×45	1990	0.20	1.16	LGU2A152MHLZ
	25×35	2030	0.20	1.16	LGU2A152MHLA
	30×30	2000	0.20	1.16	LGU2A152MHLB
1800	25×40	2280	0.20	1.27	LGU2A182MHLA
	30×35	2270	0.20	1.27	LGU2A182MHLB
2200	25×50	2570	0.20	1.40	LGU2A222MHLA
	30×35	2590	0.20	1.40	LGU2A222MHLB
	35×30	2520	0.20	1.40	LGU2A222MHLC
2700	30×45	2940	0.20	1.55	LGU2A272MHLB
	35×35	2900	0.20	1.55	LGU2A272MHLC
3300	30×50	3320	0.20	1.72	LGU2A332MHLB
	35×40	3310	0.20	1.72	LGU2A332MHLC
3900	35×45	3690	0.20	1.87	LGU2A392MHLC
4700	35×50	4140	0.20	2.05	LGU2A472MHLC

Rated Ripple (mA rms) at 105°C 120Hz

160V (2C)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
270	20×25	1100	0.15	0.62	LGU2C271MHLY
330	20×30	1200	0.15	0.68	LGU2C331MHLY
390	20×30	1300	0.15	0.74	LGU2C391MHLY
	22×25	1300	0.15	0.74	LGU2C391MHLZ
470	20×35	1340	0.15	0.82	LGU2C471MHLY
	22×30	1550	0.15	0.82	LGU2C471MHLZ
	25×25	1550	0.15	0.82	LGU2C471MHLA
560	20×40	1500	0.15	0.89	LGU2C561MHLY
	22×35	1670	0.15	0.89	LGU2C561MHLZ
	25×30	1670	0.15	0.89	LGU2C561MHLA
	30×25	1670	0.15	0.89	LGU2C561MHLB
680	20×45	1700	0.15	0.98	LGU2C681MHLY
	22×40	1820	0.15	0.98	LGU2C681MHLZ
	25×30	1820	0.15	0.98	LGU2C681MHLA
	30×25	1820	0.15	0.98	LGU2C681MHLB
820	22×45	2040	0.15	1.08	LGU2C821MHLZ
	25×35	2040	0.15	1.08	LGU2C821MHLA
	30×30	2040	0.15	1.08	LGU2C821MHLB
	35×25	2040	0.15	1.08	LGU2C821MHLC
1000	22×50	2250	0.15	1.20	LGU2C102MHLZ
	25×40	2250	0.15	1.20	LGU2C102MHLA
	30×30	2250	0.15	1.20	LGU2C102MHLB
	35×25	2250	0.15	1.20	LGU2C102MHLC
1200	25×45	2490	0.15	1.31	LGU2C122MHLA
	30×35	2490	0.15	1.31	LGU2C122MHLB
	35×30	2490	0.15	1.31	LGU2C122MHLC
1500	30×40	2840	0.15	1.46	LGU2C152MHLB
	35×30	2840	0.15	1.46	LGU2C152MHLC
1800	30×45	3320	0.15	1.60	LGU2C182MHLB
	35×35	3000	0.15	1.60	LGU2C182MHLC
2200	35×45	3500	0.15	1.77	LGU2C222MHLC
2700	35×50	4000	0.15	1.97	LGU2C272MHLC

GU series

■Dimensions

180V (2Z)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
220	20×25	1000	0.15	0.59	LGU2Z221MHLY
270	20×30	1100	0.15	0.66	LGU2Z271MHLY
330	20×30	1200	0.15	0.73	LGU2Z331MHLY
	22×25	1200	0.15	0.73	LGU2Z331MHLZ
390	20×35	1300	0.15	0.79	LGU2Z391MHLY
	22×30	1350	0.15	0.79	LGU2Z391MHLZ
	25×25	1350	0.15	0.79	LGU2Z391MHLA
470	20×40	1400	0.15	0.87	LGU2Z471MHLY
	22×35	1500	0.15	0.87	LGU2Z471MHLZ
	25×30	1500	0.15	0.87	LGU2Z471MHLA
	30×25	1500	0.15	0.87	LGU2Z471MHLB
560	20×45	1550	0.15	0.95	LGU2Z561MHLY
	22×40	1670	0.15	0.95	LGU2Z561MHLZ
	25×30	1670	0.15	0.95	LGU2Z561MHLA
	30×25	1670	0.15	0.95	LGU2Z561MHLB
680	22×45	1780	0.15	1.04	LGU2Z681MHLZ
	25×35	1780	0.15	1.04	LGU2Z681MHLA
	30×30	1780	0.15	1.04	LGU2Z681MHLB
	35×25	1780	0.15	1.04	LGU2Z681MHLC
820	22×50	2040	0.15	1.15	LGU2Z821MHLZ
	25×40	2040	0.15	1.15	LGU2Z821MHLA
	30×30	2040	0.15	1.15	LGU2Z821MHLB
	35×25	2040	0.15	1.15	LGU2Z821MHLC
1000	25×45	2300	0.15	1.27	LGU2Z102MHLA
	30×35	2300	0.15	1.27	LGU2Z102MHLB
	35×30	2300	0.15	1.27	LGU2Z102MHLC
1200	25×50	2550	0.15	1.39	LGU2Z122MHLA
	30×40	2550	0.15	1.39	LGU2Z122MHLB
	35×30	2550	0.15	1.39	LGU2Z122MHLC
1500	30×45	2900	0.15	1.55	LGU2Z152MHLB
	35×35	2900	0.15	1.55	LGU2Z152MHLC
1800	35×45	3300	0.15	1.70	LGU2Z182MHLC
2200	35×50	3650	0.15	1.88	LGU2Z222MHLC

200V (2D)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
220	20×25	1000	0.15	0.62	LGU2D221MHLY
270	20×30	1100	0.15	0.69	LGU2D271MHLY
	22×25	1100	0.15	0.69	LGU2D271MHLZ
330	20×35	1200	0.15	0.77	LGU2D331MHLY
	22×30	1250	0.15	0.77	LGU2D331MHLZ
	25×25	1250	0.15	0.77	LGU2D331MHLA
390	20×40	1310	0.15	0.83	LGU2D391MHLY
	22×30	1350	0.15	0.83	LGU2D391MHLZ
	25×25	1350	0.15	0.83	LGU2D391MHLA
470	20×45	1450	0.15	0.91	LGU2D471MHLY
	22×35	1500	0.15	0.91	LGU2D471MHLZ
	25×30	1500	0.15	0.91	LGU2D471MHLA
	30×25	1500	0.15	0.91	LGU2D471MHLB
560	20×50	1580	0.15	1.00	LGU2D561MHLY
	22×40	1670	0.15	1.00	LGU2D561MHLZ
	25×30	1670	0.15	1.00	LGU2D561MHLA
	30×25	1670	0.15	1.00	LGU2D561MHLB
680	22×45	1780	0.15	1.10	LGU2D681MHLZ
	25×35	1780	0.15	1.10	LGU2D681MHLA
	30×30	1780	0.15	1.10	LGU2D681MHLB
	35×25	1780	0.15	1.10	LGU2D681MHLC
820	25×45	2040	0.15	1.21	LGU2D821MHLA
	30×30	2040	0.15	1.21	LGU2D821MHLB
	35×25	2040	0.15	1.21	LGU2D821MHLC
1000	25×50	2300	0.15	1.34	LGU2D102MHLA
	30×35	2300	0.15	1.34	LGU2D102MHLB
	35×30	2300	0.15	1.34	LGU2D102MHLC
1200	30×40	2650	0.15	1.46	LGU2D122MHLB
	35×35	2650	0.15	1.46	LGU2D122MHLC
1500	30×50	3080	0.15	1.64	LGU2D152MHLB
	35×40	3080	0.15	1.64	LGU2D152MHLC
1800	35×45	3480	0.15	1.80	LGU2D182MHLC
2200	35×50	3780	0.15	1.98	LGU2D222MHLC

220V (2P)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
180	20×25	900	0.15	0.59	LGU2P181MHLY
220	20×30	1000	0.15	0.66	LGU2P221MHLY
	22×25	1000	0.15	0.66	LGU2P221MHLZ
270	20×35	1150	0.15	0.73	LGU2P271MHLY
	22×30	1150	0.15	0.73	LGU2P271MHLZ
330	20×40	1250	0.15	0.80	LGU2P331MHLY
	22×35	1250	0.15	0.80	LGU2P331MHLZ
	25×25	1250	0.15	0.80	LGU2P331MHLA
390	20×45	1400	0.15	0.87	LGU2P391MHLY
	22×35	1400	0.15	0.87	LGU2P391MHLZ
	25×30	1400	0.15	0.87	LGU2P391MHLA
470	20×50	1450	0.15	0.96	LGU2P471MHLY
	22×40	1450	0.15	0.96	LGU2P471MHLZ
	25×35	1450	0.15	0.96	LGU2P471MHLA
	30×25	1450	0.15	0.96	LGU2P471MHLB
560	22×45	1700	0.15	1.05	LGU2P561MHLZ
	25×40	1700	0.15	1.05	LGU2P561MHLA
	30×30	1700	0.15	1.05	LGU2P561MHLB
680	25×45	1780	0.15	1.16	LGU2P681MHLA
	30×35	1780	0.15	1.16	LGU2P681MHLB
	35×25	1780	0.15	1.16	LGU2P681MHLC
820	25×50	2100	0.15	1.27	LGU2P821MHLA
	30×40	2100	0.15	1.27	LGU2P821MHLB
	35×30	2100	0.15	1.27	LGU2P821MHLC
1000	30×45	2400	0.15	1.40	LGU2P102MHLB
	35×35	2400	0.15	1.40	LGU2P102MHLC
1200	30×50	2600	0.15	1.54	LGU2P122MHLB
	35×40	2600	0.15	1.54	LGU2P122MHLC
1500	35×45	3000	0.15	1.72	LGU2P152MHLC

250V (2E)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
150	20×25	790	0.15	0.58	LGU2E151MHLY
180	20×30	900	0.15	0.63	LGU2E181MHLY
220	20×30	1000	0.15	0.70	LGU2E221MHLY
	22×25	1000	0.15	0.70	LGU2E221MHLZ
270	20×35	1100	0.15	0.77	LGU2E271MHLY
	22×35	1180	0.15	0.77	LGU2E271MHLZ
	25×25	1180	0.15	0.77	LGU2E271MHLA
330	20×40	1200	0.15	0.86	LGU2E331MHLY
	22×40	1300	0.15	0.86	LGU2E331MHLZ
	25×30	1300	0.15	0.86	LGU2E331MHLA
	30×25	1300	0.15	0.86	LGU2E331MHLB
390	20×50	1450	0.15	0.93	LGU2E391MHLY
	22×45	1490	0.15	0.93	LGU2E391MHLZ
	25×35	1490	0.15	0.93	LGU2E391MHLA
	30×25	1490	0.15	0.93	LGU2E391MHLB
470	22×50	1650	0.15	1.02	LGU2E471MHLZ
	25×40	1650	0.15	1.02	LGU2E471MHLA
	30×30	1650	0.15	1.02	LGU2E471MHLB
	35×25	1650	0.15	1.02	LGU2E471MHLC
560	25×45	1800	0.15	1.12	LGU2E561MHLA
	30×35	1800	0.15	1.12	LGU2E561MHLB
	35×25	1800	0.15	1.12	LGU2E561MHLC
680	25×50	2000	0.15	1.23	LGU2E681MHLA
	30×40	2000	0.15	1.23	LGU2E681MHLB
	35×30	2000	0.15	1.23	LGU2E681MHLC
820	30×45	2300	0.15	1.35	LGU2E821MHLB
	35×35	2300	0.15	1.35	LGU2E821MHLC
1000	30×50	2470	0.15	1.50	LGU2E102MHLB
	35×40	2470	0.15	1.50	LGU2E102MHLC
1200	35×45	2600	0.15	1.64	LGU2E122MHLC
1500	35×50	3000	0.15	1.83	LGU2E152MHLC

Rated Ripple (mA rms) at 105°C 120Hz

GU series

■Dimensions

315V (2F)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
82	20×25	640	0.15	0.48	LGU2F820MHLY
100	20×30	690	0.15	0.53	LGU2F101MHLY
120	20×30	750	0.15	0.58	LGU2F121MHLY
	22×25	750	0.15	0.58	LGU2F121MHLZ
150	20×35	820	0.15	0.65	LGU2F151MHLY
	22×30	820	0.15	0.65	LGU2F151MHLZ
	25×25	820	0.15	0.65	LGU2F151MHLA
180	20×40	900	0.15	0.71	LGU2F181MHLY
	22×35	920	0.15	0.71	LGU2F181MHLZ
	25×25	920	0.15	0.71	LGU2F181MHLA
220	20×50	1000	0.15	0.78	LGU2F221MHLY
	22×40	1040	0.15	0.78	LGU2F221MHLZ
	25×30	1040	0.15	0.78	LGU2F221MHLA
	30×25	1040	0.15	0.78	LGU2F221MHLB
270	22×45	1160	0.15	0.87	LGU2F271MHLZ
	25×35	1160	0.15	0.87	LGU2F271MHLA
	30×25	1160	0.15	0.87	LGU2F271MHLB
330	22×50	1330	0.15	0.96	LGU2F331MHLZ
	25×40	1330	0.15	0.96	LGU2F331MHLA
	30×30	1330	0.15	0.96	LGU2F331MHLB
	35×25	1330	0.15	0.96	LGU2F331MHLC
390	25×45	1470	0.15	1.05	LGU2F391MHLA
	30×35	1470	0.15	1.05	LGU2F391MHLB
	35×30	1470	0.15	1.05	LGU2F391MHLC
470	25×50	1700	0.15	1.15	LGU2F471MHLA
	30×40	1700	0.15	1.15	LGU2F471MHLB
	35×30	1700	0.15	1.15	LGU2F471MHLC
560	30×45	2050	0.15	1.26	LGU2F561MHLB
	35×35	2050	0.15	1.26	LGU2F561MHLC
680	30×50	2170	0.15	1.38	LGU2F681MHLB
	35×40	2170	0.15	1.38	LGU2F681MHLC
820	35×45	2200	0.15	1.52	LGU2F821MHLC

400V (2G)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
56	20×25	510	0.15	0.44	LGU2G560MHLY
68	20×30	560	0.15	0.49	LGU2G680MHLY
82	20×30	640	0.15	0.54	LGU2G820MHLY
	22×25	640	0.15	0.54	LGU2G820MHLZ
100	20×35	700	0.15	0.60	LGU2G101MHLY
	22×30	700	0.15	0.60	LGU2G101MHLZ
	25×25	700	0.15	0.60	LGU2G101MHLA
120	20×40	750	0.15	0.65	LGU2G121MHLY
	22×35	750	0.15	0.65	LGU2G121MHLZ
	25×25	750	0.15	0.65	LGU2G121MHLA
150	20×45	830	0.15	0.73	LGU2G151MHLY
	22×40	880	0.15	0.73	LGU2G151MHLZ
	25×30	880	0.15	0.73	LGU2G151MHLA
	30×25	880	0.15	0.73	LGU2G151MHLB
180	22×45	980	0.15	0.80	LGU2G181MHLZ
	25×35	980	0.15	0.80	LGU2G181MHLA
	30×30	980	0.15	0.80	LGU2G181MHLB
	35×25	980	0.15	0.80	LGU2G181MHLC
220	22×50	1100	0.15	0.88	LGU2G221MHLZ
	25×40	1100	0.15	0.88	LGU2G221MHLA
	30×30	1100	0.15	0.88	LGU2G221MHLB
	35×25	1100	0.15	0.88	LGU2G221MHLC
270	25×45	1220	0.15	0.98	LGU2G271MHLA
	30×35	1220	0.15	0.98	LGU2G271MHLB
	35×30	1220	0.15	0.98	LGU2G271MHLC
330	25×50	1440	0.15	1.08	LGU2G331MHLA
	30×40	1440	0.15	1.08	LGU2G331MHLB
	35×30	1440	0.15	1.08	LGU2G331MHLC
390	30×45	1600	0.15	1.18	LGU2G391MHLB
	35×35	1600	0.15	1.18	LGU2G391MHLC
470	30×50	1900	0.15	1.30	LGU2G471MHLB
	35×40	1900	0.15	1.30	LGU2G471MHLC
560	35×45	2120	0.15	1.41	LGU2G561MHLC

420V (W6)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
56	20×25	510	0.15	0.46	LGUW6560MHLY
68	20×30	560	0.15	0.50	LGUW6680MHLY
82	20×35	640	0.15	0.55	LGUW6820MHLY
	22×25	640	0.15	0.55	LGUW6820MHLZ
100	20×35	700	0.15	0.61	LGUW6101MHLY
	22×30	700	0.15	0.61	LGUW6101MHLZ
	25×25	700	0.15	0.61	LGUW6101MHLA
120	20×40	750	0.15	0.67	LGUW6121MHLY
	22×35	750	0.15	0.67	LGUW6121MHLZ
	25×30	750	0.15	0.67	LGUW6121MHLA
150	20×50	880	0.15	0.75	LGUW6151MHLY
	22×40	880	0.15	0.75	LGUW6151MHLZ
	25×35	880	0.15	0.75	LGUW6151MHLA
	30×25	880	0.15	0.75	LGUW6151MHLB
180	22×45	950	0.15	0.82	LGUW6181MHLZ
	25×35	950	0.15	0.82	LGUW6181MHLA
	30×30	950	0.15	0.82	LGUW6181MHLB
220	22×50	1100	0.15	0.91	LGUW6221MHLZ
	25×45	1100	0.15	0.91	LGUW6221MHLA
	30×35	1100	0.15	0.91	LGUW6221MHLB
	35×25	1100	0.15	0.91	LGUW6221MHLC
270	25×50	1220	0.15	1.01	LGUW6271MHLA
	30×40	1220	0.15	1.01	LGUW6271MHLB
	35×30	1220	0.15	1.01	LGUW6271MHLC
330	30×45	1450	0.15	1.11	LGUW6331MHLB
	35×35	1450	0.15	1.11	LGUW6331MHLC
390	30×50	1550	0.15	1.21	LGUW6391MHLB
	35×40	1550	0.15	1.21	LGUW6391MHLC
470	35×45	1900	0.15	1.33	LGUW6471MHLC
560	35×50	2150	0.15	1.45	LGUW6561MHLC

450V (2W)					
Cap.(μF)	Size φD×L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
47	20×25	390	0.20	0.43	LGU2W470MHLY
56	20×30	510	0.20	0.47	LGU2W560MHLY
68	20×35	560	0.20	0.52	LGU2W680MHLY
82	20×35	640	0.20	0.57	LGU2W820MHLY
	22×30	640	0.20	0.57	LGU2W820MHLZ
	25×25	640	0.20	0.57	LGU2W820MHLA
100	20×45	690	0.20	0.63	LGU2W101MHLY
	22×35	690	0.20	0.63	LGU2W101MHLZ
	25×30	690	0.20	0.63	LGU2W101MHLA
120	20×50	750	0.20	0.69	LGU2W121MHLY
	22×40	800	0.20	0.69	LGU2W121MHLZ
	25×30	800	0.20	0.69	LGU2W121MHLA
	30×25	800	0.20	0.69	LGU2W121MHLB
150	22×45	880	0.20	0.77	LGU2W151MHLZ
	25×35	880	0.20	0.77	LGU2W151MHLA
	30×30	880	0.20	0.77	LGU2W151MHLB
180	22×50	1000	0.20	0.85	LGU2W181MHLZ
	25×40	1000	0.20	0.85	LGU2W181MHLA
	30×30	1000	0.20	0.85	LGU2W181MHLB
220	25×45	1120	0.20	0.94	LGU2W221MHLA
	30×35	1120	0.20	0.94	LGU2W221MHLB
	35×30	1120	0.20	0.94	LGU2W221MHLC
270	30×40	1280	0.20	1.04	LGU2W271MHLB
	35×35	1280	0.20	1.04	LGU2W271MHLC
330	30×50	1450	0.20	1.15	LGU2W331MHLB
	35×40	1450	0.20	1.15	LGU2W331MHLC
390	35×40	1500	0.20	1.25	LGU2W391MHLC
470	35×50	1850	0.20	1.37	LGU2W471MHLC

Rated Ripple (mA rms) at 105°C 120Hz