

5mmL, Low Impedance



- •Low impedance over wide temperature range of −55 to +105°C, with 5mm height.
- Suited for DC-DC converters where smaller case size and lower impedance are required.
- Compliant to the RoHS directive (2011/65/EU).

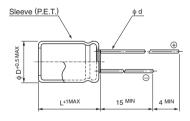


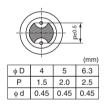


■Specifications

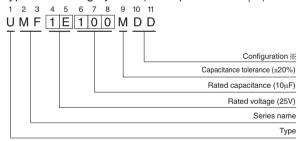
Item	Performance Characteristics -55 to +105°C											
Category Temperature Range												
Rated Voltage Range	6.3 to 35V											
Rated Capacitance Range	1 to 100µF											
Rated Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (μA), whichever is											
	Measurement frequency : 120Hz at 20°C											
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10		16		25	35				
	tan δ (MAX.)	0.22	0.2	0	0.18		0.14	0.12				
	Measurement frequency : 120Hz											
Otaliin alla Tamana	Rated voltage (V)				10	16	25	35				
Stability at Low Temperature	Impedance ratio Z-2	25°C / Z+20°C	2		2	2	2	2				
	ZT / Z20 (MAX.) Z-55°C /Z+20°C		4		4	3	3	3				
	The enerifications listed	at right aball ba	no o t									
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000				Capacitance change				capacitance value			
					tan δ			200% or less than the initial specified value				
	hours at 105°C.	Leakage current		Less than or equal to the initial specified value								
Shelf Life	After storig the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.											
Marking	Printed with white color letter on dark brown sleeve.											

■ Radial Lead Type





Type numbering system (Example : 25V 10μF)



 Configuration

 \$\phi\$ D
 Pb-free leadwire Pb-free PET sleeve

 4 to 6.3
 DD

■ Dimensions

	V		6.3		10		16			25			35			
Cap.(μF)	Code	0J		1A			1C			1E			1V			
1	010			 			 							4×5	5.0	50
1.5	1R5			i I			i I			i I			İ	4×5	5.0	50
2.2	2R2			l I			l I	I		 	l		 	4×5	5.0	50
3.3	3R3													4×5	5.0	50
4.7	4R7	i		i i	i		İ	i			4×5	5.0	50	4×5	5.0	50
6.8	6R8			 			 			 	4×5	5.0	50	5×5	2.6	80
10	100			! 			 	4×5	5.0	50	5×5	2.6	80	5×5	2.6	80
15	150			l I			i I	5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115
22	220	4×5	5.0	50	5×5	2.6	80	5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115
33	330	5×5	2.6	80	5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115			
47	470	5×5	2.6	¦ 80	6.3×5	1.3	115	6.3×5	1.3	115			l I		1	1
68	680	6.3×5	1.3	115										Case size	Impedance	Rated
100	101	6.3×5	1.3	115										φD×L (mm)	inipedance	Rated ripple

Max. Impedance (Ω) at 20°C 100kHz Rated ripple current (mArms) at 105°C 100kHz

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more	
Coefficient	0.35	0.50	0.64	0.83	1.00	

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.