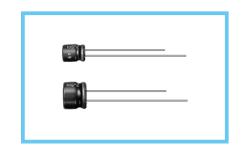




- Low impedance over wide temperature range of −55 ~ +105°C, with 5mm height.
- Suited for DC-DC converters where smaller case size and lower impedance are required.
- Adapted to the RoHS directive (2002/95/EC).

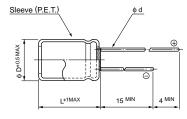


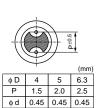


■Specifications

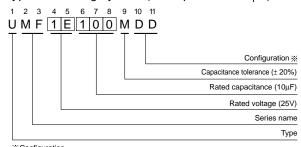
Item	Performance Characteristics										
Category Temperature Range	−55 ~ +105°C										
Rated Voltage Range	6.3 ~ 35V										
Rated Capacitance Range	1 ~ 100µF										
Rated Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.										
	Measurement frequency : 120Hz, Temperature : 20°C										
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										
	Rated voltage	` '			10		25	35			
Stability at Low Temperature					2	2	2	2			
	ZT / Z20 (MAX.) Z-5	Z20 (MAX.) Z-55°C /Z+20°C			4 3		3 3				
	At the second of										
Endurance	After 1000 hours' applica at 105°C capacitors meet	Capacitance change tan δ			Within ±20% of initial value 200% or less of initial specified value						
	requirements listed at rigi	Leakage current			Initial specified value or less						
	Leanage current initial opening value of resc										
Shelf Life	After storig the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.										
Marking	Printed with white color letter on dark brown sleeve.										

■Radial Lead Type





Type numbering system (Example : 25V $10\mu F$)



※Configuration	n
φD	Pb-free leadwire Pb-free PET sleeve
4 62	חח

■Dimensions

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

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

• Frequency coefficient of rated ripple current

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

Please refer to page 21, 22, 23 about the formed or taped product spec. Please refer to page 3 for the minimum order quantity.