

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).

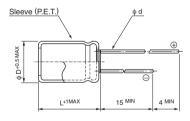


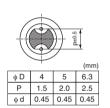


## ■Specifications

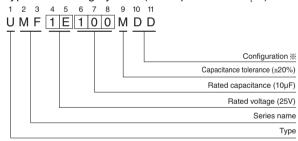
Item	Performance Characteristics										
Category Temperature Range	−55 to +105°C										
Rated Voltage Range	6.3 to 35V										
Rated Capacitance Range	1 to 100μF										
Rated Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.										
	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										
Ctability at Law Tagananatura	Rated voltage (V)				10	16	25	35			
Stability at Low Temperature	Impedance ratio Z-2	5°C / Z+20°C	2		2	2	2	2			
	ZT / Z20 (MAX.) Z-55°C /Z+20°C		4		4	3	3	3			
	The specifications listed	at right shall he	met				I				
_	when the capacitors are		Capacitance change				capacitance value				
Endurance	after the rated voltage is applied for 1000				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 $10\mu F$ )



 Configuration
 Pb-free leadwire Pb-free PET sleeve

 4 to 6.3
 DD

## ■ Dimensions

	V		6.3		10			16		25		35				
Cap.(µF)	Code		OJ			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			 	ļ ļ		 	4×5	5.0	50
3.3	3R3													4×5	5.0	50
4.7	4R7			i I			İ				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						
68	680	6.3×5	1.3	115										Case size	Impedance	Rated
100	101	6.3×5	1.3	115			l			1			l	φD×L (mm)	impedance	Rated ripple

Max. Impedance ( $\Omega$ ) 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	ı				
Coefficient	0.35	0.50	0.64	0.83	1.00	ı				

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