

UMV

5mmL, Long Life Assurance

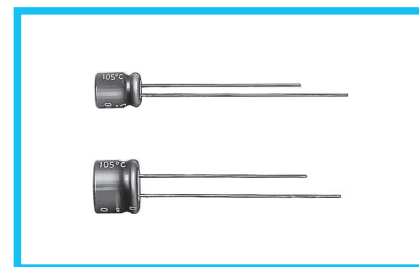


- Extended load life of 5000 hours at +105°C, with 5mm height.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).



Long Life

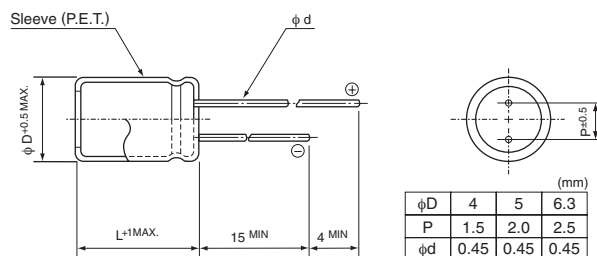
UMT
UMF



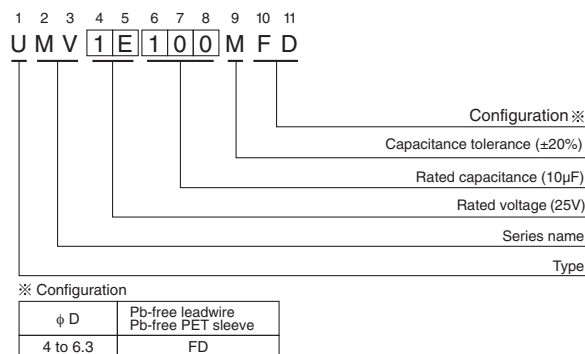
Specifications

Item	Performance Characteristics													
Category Temperature Range	−40 to +105°C													
Rated Voltage Range	4 to 50V													
Rated Capacitance Range	1 to 100μF													
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.													
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C													
	Rated voltage (V)	4	6.3	10	16	25	35	50						
	tan δ (MAX.)	0.37	0.28	0.24	0.20	0.16	0.13	0.12						
Stability at Low Temperature	Measurement frequency : 120Hz													
	Rated voltage (V)	4	6.3	10	16	25	35	50						
	Impedance ratio	Z−25°C / Z+20°C	8	4	3	2	2	2						
	(MAX.)	Z−40°C / Z+20°C	14	10	7	5	3	3						
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 5000 hours at 105°C.				<table><tr><td>Capacitance change</td><td>Within ± 30% of the initial capacitance value</td></tr><tr><td>tan δ</td><td>300% or less than the initial specified value</td></tr><tr><td>Leakage current</td><td>Less than or equal to the initial specified value</td></tr></table>				Capacitance change	Within ± 30% of the initial capacitance value	tan δ	300% or less than the initial specified value	Leakage current	Less than or equal to the initial specified value
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tan δ	300% or less than the initial specified value													
Leakage current	Less than or equal to the initial specified value													
Shelf Life	After storing 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 silver color letter on dark brown sleeve.													

Radial Lead Type



Type numbering system (Example : 25V 10μF)



Dimensions

Cap.(μF)	V	4	6.3	10	16	25	35	50
	Code	0G	0J	1A	1C	1E	1V	1H
1	010							4 × 5 6.2
2.2	2R2							4 × 5 11
3.3	3R3							4 × 5 14
4.7	4R7							5 × 5 19
10	100				4 × 5 18	5 × 5 23	5 × 5 25	6.3 × 5 30
22	220	4 × 5 22	4 × 5 22	5 × 5 27	5 × 5 30	6.3 × 5 38	6.3 × 5 42	
33	330	5 × 5 30	5 × 5 30	5 × 5 35	6.3 × 5 40	6.3 × 5 48		
47	470	5 × 5 36	5 × 5 36	6.3 × 5 46	6.3 × 5 50			
100	101	6.3 × 5 60	6.3 × 5 60					Case size φD × L (mm)

Rated ripple current (mArms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

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