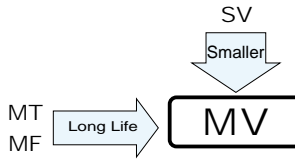


MV series 5mmL, Long Life Assurance



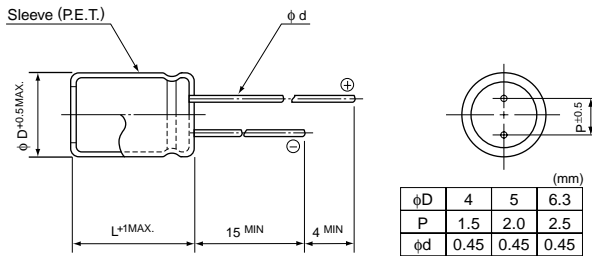
- Extended load life of 5000 hours at +105°C, with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).



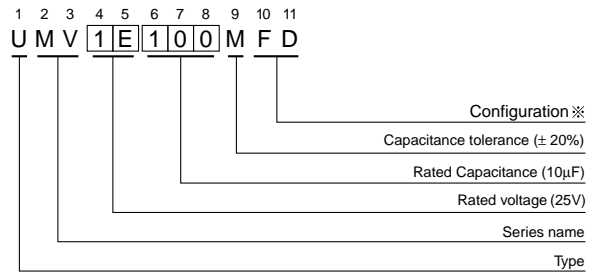
Specifications

Item	Performance Characteristics							
Category Temperature Range	-40 to +105°C							
Rated Voltage Range	4 to 50V							
Rated Capacitance Range	0.1 to 100μF							
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.							
tan δ	Measurement frequency : 120Hz, Temperature : 20°C							
	Rated voltage (V)	4	6.3	10	16	25	35	50
Stability at Low Temperature	Measurement frequency : 120Hz							
	Impedance ratio	Z-25°C / Z+20°C	8	4	3	2	2	2
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	14	10	7	5	3	3
Endurance	After 5000 hours' application of rated voltage at 105°C capacitors meet the characteristic requirements listed at right.		Capacitance change		Within ±30% of initial value			
			tan δ		300% or less of initial specified value			
			Leakage current		Initial specified value or less			
Shelf Life	After storing 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 silver color letter on dark brown sleeve.							

Radial Lead Type



Type numbering system (Example : 25V 10μF)



※ Configuration	
φ D	Pb-free leadwire Pb-free PET sleeve
4 to 6.3	FD

Dimensions

Cap.(μF)	Code	4		6.3		10		16		25		35		50	
		0G	0J	1A	1C	1E	1V	1H							
0.1	0R1													4×5	1.0
0.22	R22													4×5	2.6
0.33	R33													4×5	3.2
0.47	R47													4×5	3.8
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	4×5	13	4×5	15	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

Rated Ripple (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.