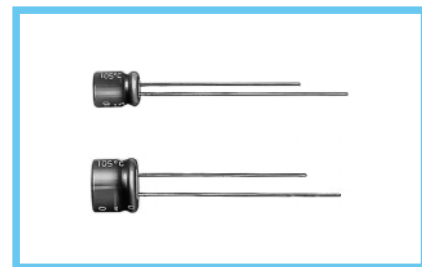
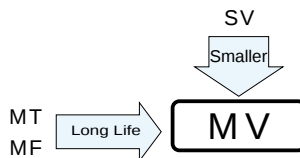


MV series 5mmL, Long Life Assurance



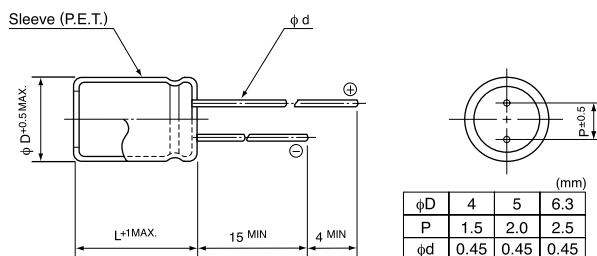
- Extended load life of 5000 hours at +105°C, with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).



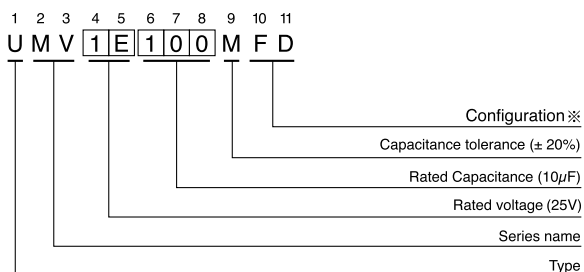
Specifications

Item	Performance Characteristics								
Category Temperature Range	-40 ~ +105°C								
Rated Voltage Range	4 ~ 50V								
Rated Capacitance Range	0.1 ~ 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	
	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	2
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	14	10	7	5	3	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 ~ 6.3	FD

Dimensions

V	4	6.3	10	16	25	35	50
Cap.(μF)	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						4×5 19
10	100						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 (mArms) at 105°C 120Hz

Frequency coefficient of rated ripple current

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

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