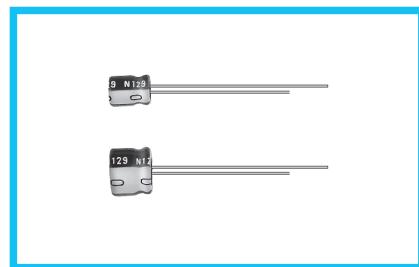
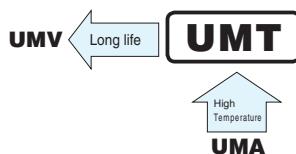


UMT

5mmL, Wide Temperature Range



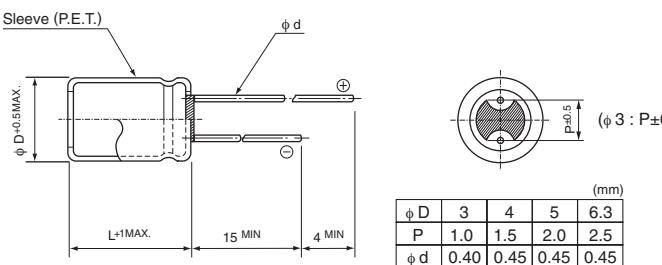
- Wide temperature range of -55 to $+105^{\circ}\text{C}$, with 5mm height.
- Compliant to the RoHS directive (2011/65/EU).



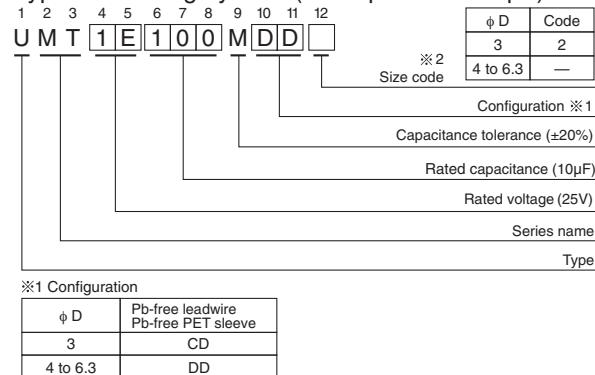
■ Specifications

Item	Performance Characteristics										
Category Temperature Range	-55 to $+105^{\circ}\text{C}$										
Voltage Range	4 to 50V										
Rated Capacitance Range	1 to 100 μF										
Rated Capacitance Tolerance	$\pm 20\%$ 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)	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 (0.14)	0.12 (0.14)			
	Measurement frequency : 120Hz at 20°C										
Stability at Low Temperature	Rated voltage (V)	4	6.3	10	16	25	35	50			
	Impedance ratio	Z- 25°C / Z+ 20°C	6	3	3	2	2	2			
	ZT / Z20 (MAX.)	Z- 40°C / Z+ 20°C	12	8	5	4	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 1000 hours at 105°C .				Capacitance change	Within $\pm 25\%$ of the initial capacitance value ($\phi 3\text{mm}$ unit, and $\leq 16\text{V}$)					
					tan δ	Within $\pm 20\%$ of the initial capacitance value ($\geq 25\text{V}$)					
					Leakage current	200% or less than 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 white color letter on black sleeve.										

■ Radial Lead Type



• Please refer to page 20 about the end seal configuration.

Type numbering system (Example : 25V 10 μF)

※2 For $\phi 3\text{mm}$ unit, place size code of [2] to 12th digit.

■ Dimensions

Cap. (μF)	V	4		6.3		10		16		25		35		50	
		Code	0G	Code	0J	Code	1A	Code	1C	Code	1E	Code	1V	Code	1H
1	010														• 4 x 5 6.2(5.9)
2.2	2R2														3 x 5 7.5
3.3	3R3														• 4 x 5 11(9)
4.7	4R7														4 x 5 14
10	100								• 4 x 5 18(14)	5 x 5	23	5 x 5	25	5 x 5	19
22	220	4 x 5	22	4 x 5	22	5 x 5	27	5 x 5	30	6.3 x 5	38	6.3 x 5	48		
33	330	5 x 5	30	5 x 5	30	5 x 5	35	6.3 x 5	40	6.3 x 5	48				
47	470	5 x 5	36	5 x 5	36	6.3 x 5	46	6.3 x 5	50						
100	101	6.3 x 5	60	6.3 x 5	60									Case size	Rated
														$\phi D \times L$ (mm)	ripple

Size $\phi 3 \times 5$ is available for capacitors marked "•".

Figures in () are for $\phi 3\text{mm}$ product.

Rated ripple current (mA rms) at 105°C 120Hz

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.

Mouser Electronics

Authorized Distributor

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