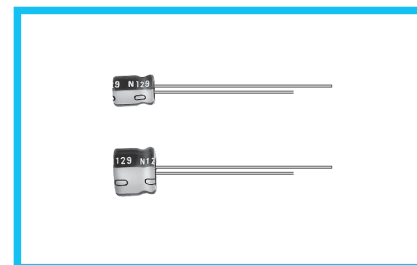
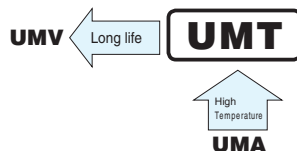


UMT

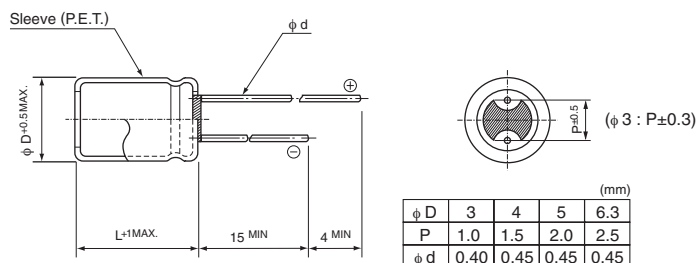
5mmL, Wide Temperature Range

Anti-Solvent
Feature

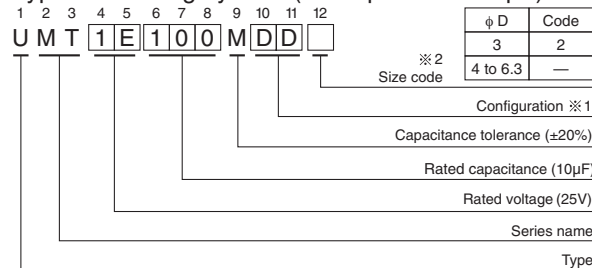
- Wide temperature range of -55 to $+105^{\circ}\text{C}$, with 5mm height.
- Compliant to the RoHS directive (2011/65/EU).

**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)	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 (0.14)	0.12 (0.14)
Stability at Low Temperature	Measurement frequency : 120Hz							
	Rated voltage (V)	4	6.3	10	16	25	35	50
	Impedance ratio ZT / Z20 (MAX.)	Z -25°C / Z $+20^{\circ}\text{C}$	6	3	3	2	2	2
		Z -40°C / Z $+20^{\circ}\text{C}$	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 .							
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)

※1 Configuration

ϕD	Pb-free leadwire Pb-free PET sleeve
3	CD
4 to 6.3	DD

※2 For $\phi 3$ mm unit, place size code of 2 to 12th digit.**Dimensions**

V		4		6.3		10		16		25		35		50	
Cap.(μF)	Code	0G		0J		1A		1C		1E		1V		1H	
1	010													● 4×5	6.2(5.9)
2.2	2R2											3×5	7.5	● 4×5	11 (9)
3.3	3R3											● 4×5	11 (9)	4×5	14
4.7	4R7									● 4×5	13 (10)	4×5	15	5×5	19
10	100							● 4×5	18 (14)	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	48		
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

Size $\phi 3 \times 5$ is available for capacitors marked "•"
Figures in () are for $\phi 3$ product.Rated ripple current (mA rms) 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.

Mouser Electronics

Authorized Distributor

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