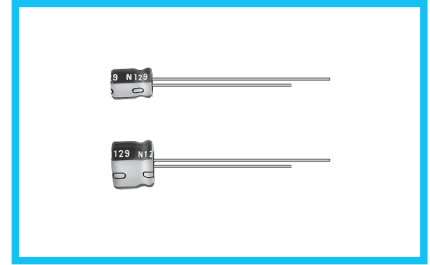
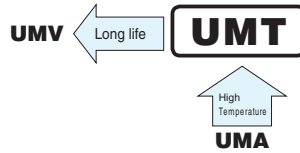


UMT

5mmL, Wide Temperature Range



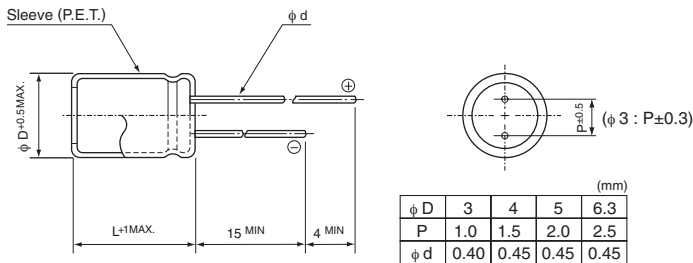
- Wide temperature range of -55 to +105°C, with 5mm height.
- Compliant to the RoHS directive (2011/65/EU).



Specifications

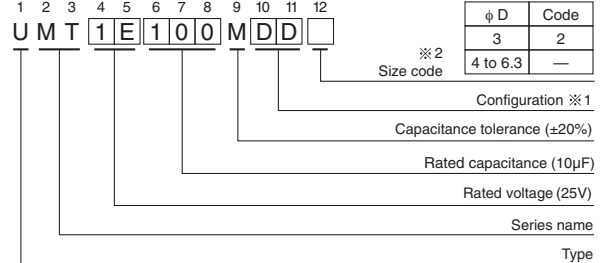
Item	Performance Characteristics								
Category Temperature Range	-55 to +105°C								
Voltage Range	4 to 50V								
Rated Capacitance Range	1 to 100μF								
Rated Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current 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	Figures in () are for φ3 product.
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°C	6	3	3	2	2	2	2
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 ±25% of the initial capacitance value (φ3mm unit, and ≤16V) Within ±20% of the initial capacitance value (≥25V)							
	tan δ	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 10μF)



※2 For φ3mm unit, place size code of [2] to 12th digit.

Dimensions

Cap.(μF)	Code	4		6.3		10		16		25		35		50	
		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 φ3 × 5 is available for capacitors marked "•"
Figures in () are for φ3 product.

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.

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[UVR1C330MDD6TP](#) [UVR1E220MDD6TP](#) [UVR1E330MDD6TP](#) [UVR1H3R3MDD6TP](#) [UVR1HR47MDD6TP](#) [UVR1V4R7MDD6TP](#) [ECE-](#)

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