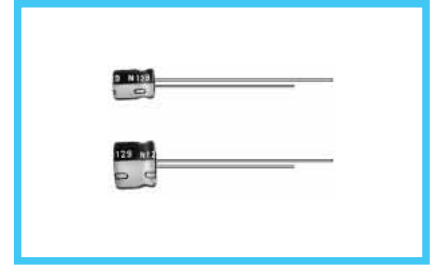
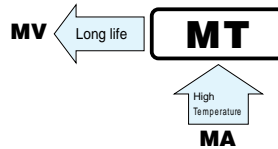


MT 5mmL, Wide Temperature Range
series



Anti-Solvent
Feature

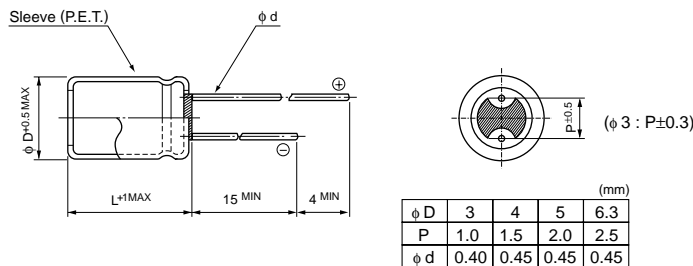
- Wide temperature range of $-55 \sim +105^{\circ}\text{C}$, with 5mm height.



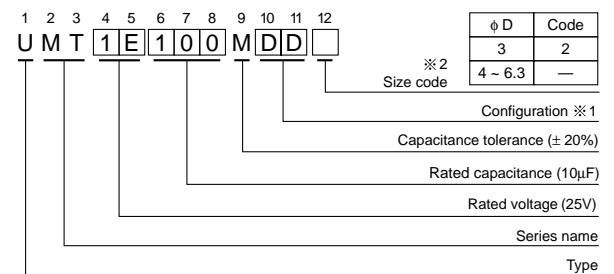
Specifications

Item	Performance Characteristics								
Category Temperature Range	-55 ~ +105°C								
Voltage Range	4 ~ 50V								
Rated Capacitance Range	0.1 ~ 100μF								
Rated 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	Figures in () are for ϕ 3 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	Z-25°C / Z+20°C	6	3	3	2	2	2	2
ZT / Z20 (MAX.)	Z-40°C / Z+20°C	12	8	5	4	3	3	3	
Endurance	After 1000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.				Capacitance change		Within ±25% of initial value (ϕ 3mm unit, and ≤ 16V) Within ±20% of initial value (≥ 25V)		
					tan δ		200% or less of initial specified value		
					Leakage current		Initial specified value or less		
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above.								
Marking	Printed with white color letter on black sleeve.								

Radial Lead Type



Type numbering system (Example : 25V 10 μF)



※1 Configuration

φD	Pb-free leadwire Pb-free PET sleeve	Sn-Pb finished leadwire PVC sleeve (containing Pb)
3	CD	CH
4 ~ 6.3	DD	DH

※1 Please contact to us if other configurations are required.

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

φD × L (mm)

Dimensions

V 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 (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	Rated ripple

Size $\phi 3 \times 5$ is available for capacitors marked "●".
Figures in () are for $\phi 3$ product.

Rated Ripple (mA rms) 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 19, 20, 21 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

CAT.8100T