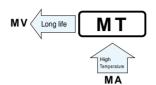
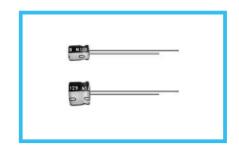


5mmL, Wide Temperature Range series



- Wide temperature range of -55 to +105°C, with 5mm height.
- Compliant to the RoHS directive (2002/95/EC).

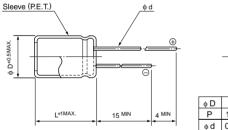


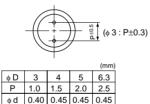


■Specifications

Item	Performance Characteristics											
Category Temperature Range	−55 to +105°C											
Voltage Range	4 to 50V 0.1 to 100μF											
Rated Capacitance Range												
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.								reater.			
	Measurement frequency : 120Hz at 20°C											
Tangent of loss angle (tan δ)	Rated voltage (V)	4	6.3		10	16	25		35	50	Figures in () are for
	tan δ (MAX.)	0.37	0.28		0.24	0.20	0.16 0.13		3 (0.14)	0.12 (0.14)	φ 3 product.	
	Measurement frequency: 120Hz											
	Rated voltage (V)			4	6.3	10	16	25	35	50		
Stability at Low Temperature	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		
	The specifications list	Capacitano	ce change	Within ±25% of the initial capacitance value (∮ 3mm unit,and ≦ 16V) Within ±20% of the initial capacitance value (≧ 25V)								
Endurance	after the rated voltage	tan δ	200% or less than the initial specified value									
	hours at 105°C.				Leakage current Less than or equal to 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.								5101-4			
Marking	Printed with white cold	or letter on b	olack slee	ve.								

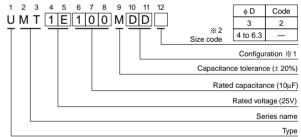
■Radial Lead Type





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

Type numbering system (Example: 25V 10µF)



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

■ Dimensions

- Differsions															
V 4 Cap.(μF) Code 0G		6.3		10		16		25		35		50			
		0G		0J		1A		1C		1E		1V		1H	
0.1	0R1		!		!						1			•4×5	1.0
0.22	R22				i						1			•4×5	2.6
0.33	R33		! !		!		1		1		!		!	•4×5	3.2
0.47	R47										i			•4×5	3.8
1	010		i I				İ		İ				1	•4×5	6.2 (5.9)
2.2	2R2										1	3 × 5	7.5	•4×5	11 (9)
3.3	3R3				i		1				İ	• 4 ×5	11 (9)	4×5	14
4.7	4R7		 		i i					• 4×5	13 (10)	4 ×5	15	5×5	19
10	100		i		i		1	• 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		1
33	330	5×5	30	5×5	30	5×5	35	6.3×5	40	6.3×5	48				I
47	470	5×5	36	5×5	36	6.3×5	46	6.3×5	50					Case size	Rated
100	101	63×5	60	63×5	60		ì		Ì		1		1	1 φD×L (mm)	ripple

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

Frequency coefficient of rated ripple current

Trequency decincient of fated hppic darrent												
Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more							
Coefficient	0.70	1.00	1.17	1.36	1.50							

Rated ripple current (mArms) at 105°C 120Hz

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.