ALUMINUM ELECTROLYTIC CAPACITORS

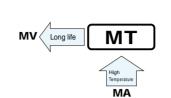
nichicon

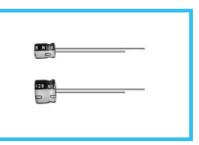


5mmL, Wide Temperature Range

J.

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

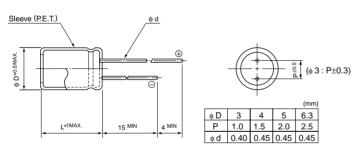




Specifications

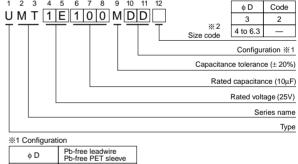
Item	Performance Characteristics											
Category Temperature Range	-55 to +105°C											
Voltage Range	4 to 50V											
Rated Capacitance Range	0.1 to 100µF											
Rated Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.											
Tangent of loss angle (tan $\delta)$	Measurement frequency : 120Hz, Temperature : 20°C											
	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	(0.14)	0.12 (0.14)	φ 3 product.	
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	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000				Capacitano	ce change	Within ±25% of the initial capacitance value (ϕ 3mm unit,and \leq 16V) Within ±20% of the initial capacitance value (\geq 25V)					
					tan δ		200% or less than the initial specified value					
	hours at 105°C.			Leakage c	urrent	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.											
Marking	Printed with white color letter on black sleeve.											

Radial Lead Type



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







configulation. 3 4 to 6.3



6.3 10 16 50 V 4 25 35 Code 0J 0G 1A 1C 1V 1H Cap.(µF) 1E 0R1 0.1 •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) $4{\times}5$ 14 4.7 4R7 4×5 • 4×5 13 (10) 15 5×5 19 10 100 18 (14) 5×5 23 5×5 25 6.3×5 30 • 4×5 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 5×5 36 6.3×5 46 6.3×5 50 36 Case size Rated ¢D×L (mm) ripple 100 101 6.3×5 60 6.3×5 60

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

• 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

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.

