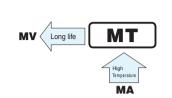
ALUMINUM ELECTROLYTIC CAPACITORS



5mmL, Wide Temperature Range

Ì Anti-Solven Feature

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

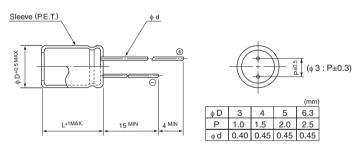


9 N129	
129 M12	

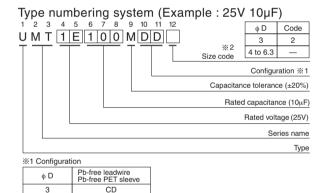
Specifications

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 at 20°C, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.											
		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.)	tan δ (MAX.) 0.37 0.28			0.24	0.20	0.16 0.13 (0.14)		0.12 (0.14)	φ 3 product.		
	Measurement frequency : 120Hz											
	Rated voltage (V)				6.3	10	16	25	35	50		
Stability at Low Temperature	Impedance ratio Z-25°C / Z+20°C				3	3	2	2	2	2		
	ZT / Z20 (MAX.)	Z-40°C / Z+	-20°C	12	8	5	4	3	3	3		
									i% of the initial capacitance value (ϕ 3mm unit,and \leq 16V) % of the initial capacitance value (\geq 25V)			
Lindulance	after the rated voltag	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.											
Marking	Printed with white color letter on black sleeve.											

Radial Lead Type



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



Dimensions

\sim	V	4		6.3		10		16		25		35		50	
Cap.(µF)	Code	0G		0J		1A		1C		1E		1V		1H	
0.1	0R1						1				-			•4×5	1.0(1.0)
0.22	R22						1						1	•4×5	2.6(2.6)
0.33	R33										-		1	•4×5	3.2(3.2)
0.47	R47						1				-			•4×5	3.8(3.8)
1	010													•4×5	6.2(5.9)
2.2	2R2						1				1	3 × 5	7.5	•4×5	11 (9)
3.3	3R3											•4×5	11 (9)	4×5	14
4.7	4R7						1			•4×5	13 (10)	4 ×5	15	5×5	19
10	100						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				
47	470	5×5	36	5×5	36	6.3×5	46	6.3×5	50		-			Case size	Rated
100	101	6.3×5	60	6.3 × 5	60									$\phi D \times L (mm)$	ripple

4 to 6.3

DD %2~ For ϕ 3mm unit, place size code of $\fbox{2}$ to 12th digit.

Size \$\$\phi3 \times 5\$ is available for capacitors marked "•" Figures in ($\$) are for φ 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.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

UMT1H0R1MCD2 UMT1H0R1MDD UMT1HR33MDD UMT1HR47MCD2 UMT1HR47MDD UMT1HR22MCD2 UMT1HR22MDD UMT1HR33MCD2 UMT1HR22MCD2TP UMT1HR33MCD2TP UMT1H0R1MCD2TP UMT1HR47MCD2TP