

ALUMINUM ELECTROLYTIC CAPACITORS

空档UST03100MDD供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

ST

7mmL, Wide Temperature Range

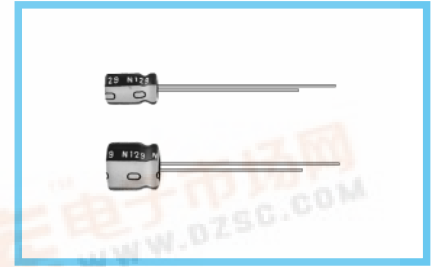
series



Anti-Solvent
Feature

- Wide temperature range of $-55 \sim +105^{\circ}\text{C}$, with 7mm height.
- Adapted to the RoHS directive (2002/95/EC).

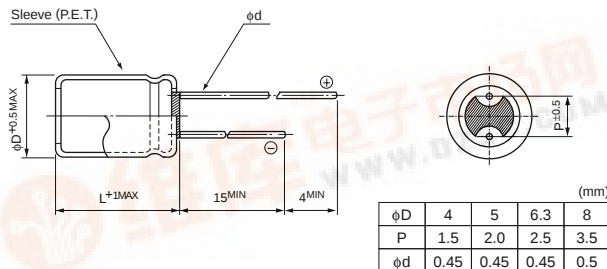
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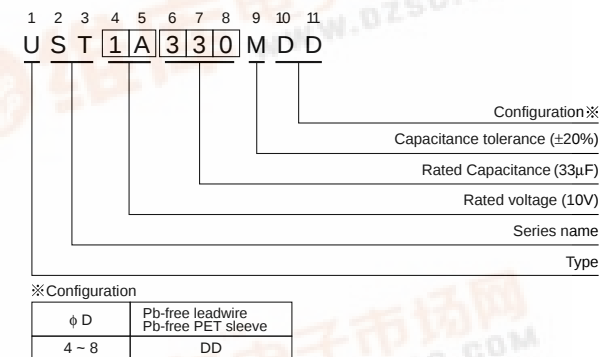
Specifications

Item	Performance Characteristics							
Category Temperature Range	-55 ~ +105℃							
Rated Voltage Range	6.3 ~ 50V							
Rated Capacitance Range	0.1 ~ 220μF							
Capacitance Tolerance	±20% at 120Hz, 20℃							
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℃							
	Rated voltage (V)	6.3	10	16	25	35	50	
	tan δ (MAX.)	0.24	0.21	0.18	0.15	0.13	0.12	
Stability at Low Temperature	Measurement frequency : 120 Hz							
	Rated voltage (V)		6.3	10	16	25	35	50
	Impedance ratio	Z-25℃ / Z+20℃	3	2	2	2	2	2
	ZT / Z20 (MAX.)	Z-40℃ / Z+20℃	6	5	4	3	3	3
Endurance	After 1000 hours' application of rated voltage at 105℃, capacitors meet the characteristic requirement listed at right.				Capacitance change			Within ±25% of initial value (16V or less) Within ±20% of initial value (25V or more)
					tan δ			200% or less of initial specified value
					Leakage current			Initial specified value or less
Shelf Life	After storing the capacitors under no load at 105℃ for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20℃, they will 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 : 10V 33 μF)



Dimensions

Cap. (μF)	V	6.3	10	16	25	35	50
Code		0J	1A	1C	1E	1V	1H
0.1	0R1						4 × 7 1.0
0.22	R22						4 × 7 2.3
0.33	R33						4 × 7 3.5
0.47	R47						4 × 7 5.0
1	010						4 × 7 10
2.2	2R2						4 × 7 19
3.3	3R3						4 × 7 24
4.7	4R7					4 × 7 24	5 × 7 29
10	100			4 × 7 29	5 × 7 33	5 × 7 36	6.3 × 7 44
22	220	4 × 7 34	5 × 7 38	5 × 7 44	6.3 × 7 51	6.3 × 7 57	8 × 7 65
33	330	5 × 7 42	5 × 7 47	6.3 × 7 57	6.3 × 7 63	8 × 7 72	
47	470	5 × 7 50	6.3 × 7 59	6.3 × 7 68	8 × 7 78		
100	101	6.3 × 7 77	8 × 7 96	8 × 7 107			
220	221	8 × 7 130	8 × 7 140				
							Case size $\phi D \times L$ (mm)
							Rated ripple

Rated Ripple (mArms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	200 Hz	1 kHz	10 kHz
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Please refer to page 21, 22, 23 about the formed or tapered product spec