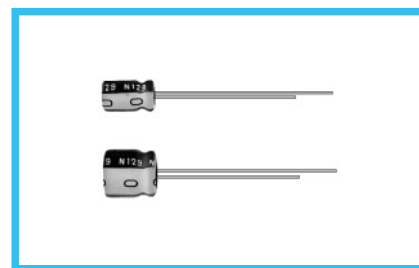


nichicon



-
- ST
- High Temperature
- SA



Item	Performance Characteristics										
Category Temperature Range	-55 to +105°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 220μF										
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 δ)	Measurement frequency : 120Hz, Temperature : 20°C										
	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				
	Impedance ratio	Z-25°C / Z+20°C	3	2	2	2	2				
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	6	5	4	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 hours at 105°C.			Capacitance change		Within ±25% of the initial capacitance value (16V or less) Within ±20% of the initial capacitance value (25V or more)					
				tan δ		200% or less than the initial specified value					
				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.										

[illegible]

	(mm)			
ϕD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
ϕd	0.45	0.45	0.45	0.5

1 2 3 4 5 6 7 8 9 10 11

U S T 1 A 3 3 0 M D D

Configuration※

Capacitance tolerance (±20%)

Rated capacitance (33μF)

Rated voltage (10V)

Series name

Type

※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
4 to 8	DD

V		6.3		10		16		25		35		50	
Cap. (μF)	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					Case size φD × L (mm)	Rated ripple
220	221	8 × 7	130	8 × 7	140								

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

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

CAT.8100Z