ALUMINUM ELECTROLYTIC CAPACITORS



High Temperature Range, For -40 to +125°C Use

- Highly dependable reliability withstanding load life of 2000 hours at 125°C.
- Suited for automobile electronics, space equipment and communication appliances,
- where heavy duty services and indispensable.
- Compliant to the RoHS directive (2011/65/EU).



Specifications

Item	Performance Characteristics						
Category Temperature Range	-40 to +125°C						
Rated Voltage Range	10 to 50V						
Rated Capacitance Range	0.47 to 470µF						
Capacitance Tolerance	±20% at 120Hz, 20°C						
Leakage Current	After 5 minute's application of rated voltage at 20°C, leakage current is not more than 0.002CV or 2 (µA), whichever is greater.						
	Measurement frequency : 120Hz at 20°C						
Tangent of loss angle (tan $\delta)$	Rated voltage (V) 10 16 25 35 50						
	tan δ (MAX.) 0.15 0.12 0.10 0.10 0.08						
	Measurement frequency : 120Hz						
Stability at Low Temperature	Rated voltage (V) 10 16 25 35 50						
	Impedance ratio Z-25°C / Z+20°C 3 2 2 2 2						
	ZT / Z20 (MAX.) Z-40°C / Z+20°C 6 4 4 4 4 4						
	The encodifications listed at right shall be met when \Box Canacitance change Within +20% of the initial canacitance value						
Endurance	The specifications instead at fight share the theorem $\frac{1}{2}$ and $$						
	voltage is applied for 2000 hours at 125°C. Leakage current Less than or equal to the initial specified value						
Shelf Life	After storing the capacitors under no load at 125°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 blue sleeve.						

Axial Lead Type



		(mm)
φD	6.3 to 13	16
φd	0.6	0.8

Type numbering system (Example : $16V 47\mu F$)



*Configuration					
φD	Pb-free leadwire Pb-free Polyolefin sleeve				
6.3 • 8	AD				
10 to 16	CD				

Dimensions

	V	10	16	25	35	50
Cap.(µF)	Code	1A	1C	1E	1V	1H
0.47	R47					6.3 × 16
1	010					6.3 × 16
2.2	2R2					6.3 × 16
3.3	3R3					6.3 × 16
4.7	4R7					6.3 × 16
10	100				6.3 × 16	6.3 × 16
22	220			6.3 × 16	8 × 16	8 × 20
33	330	6.3 × 16	8 × 16	8 × 20	8 × 20	10 × 21
47	470	6.3 × 16	8 × 16	8 × 20	10 × 21	10 × 26
100	101	8 × 20	10 × 21	10 × 21	10 × 26	13 × 26
220	221	10 × 21	10 × 26	13 × 26	13 × 31.5	16 × 31.5
330	331	13 × 26	13 × 26	13 × 31.5	16 × 31.5	
470	471	13 × 31 5	13 × 31.5	16 × 31.5		

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

CAT.8100D