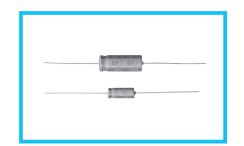


High Temperature Range, For -40 to +125°C Use

(02type)

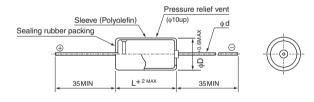
- Highly dependable reliability withstanding load life of 2000 hours at 125°C.
- Suited for automobile electronics, space equipment and communication appliances, where heavy duty services and indispensable.
- Compliant to the RoHS directive (2011/65/EU).



■Specifications

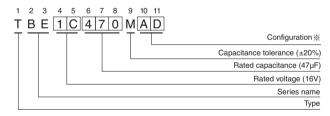
Item	Performance Characteristics								
Category Temperature Range	-40 to +125°C								
Rated Voltage Range	10 to 50V								
Rated Capacitance Range	0.47 to 470μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 5 minutes' application of rated voltage at 20°C, leakage current is not more than 0.002CV or 2 (µA), whichever is greater.								
	Measurement frequency : 120Hz at 20°C								
Tangent of loss angle (tan δ)	Rated voltage (V)	10	16	i	25	35	50	7	
, J	tan δ (MAX.)	0.15	0.1	2	0.10	0.10	0.08		
	Measurement frequency : 120Hz								
	Rated voltage (V)		10	16	25	35	50		
Stability at Low Temperature	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	
	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 125°C.				Capacitance change With		Withi	n ±20% of the initial capacitance value	
Endurance					tan δ		200% or less than the initial specified value		
					Leakage current		Less	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 47µF)



※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		