

Amber Electronic Limited

A16-B (Round Axial Type) Metallized Polyester Film Capacitor (Black)

Features

- Wound in metallized polyester film, spray metal solder upon terminals.
 Wrapped with polyester adhesive tape and ends filled with epoxy resin
- Low dissipation factor
- Low ESR
- High precision (tolerance $\pm 1\%$, $\pm 2\%$, $\pm 3\%$, $\pm 5\%$)
- Excellent performance

Specifications

Item	Performance Characteristics
Reference Standard	GB/T 2693 (IEC 60384-1) ; GB/T 7332 (IEC 60384-2)
Climatic Category	40/105/21
Operating Temperature Range	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$ ($+85^{\circ}\text{C}$ to 105°C : decreasing factor 1.25% per $^{\circ}\text{C}$ for VR(dc))
Rated Voltage Range	100V、250V、400V、630V、1000V
Capacitance Range	0.1 μF ~ 100 μF
Capacitance Tolerance	$\pm 1\%$ (F), $\pm 2\%$ (G) $\pm 3\%$ (H), $\pm 5\%$ (J)
Voltage Proof	$1.6U_R$ (5s)
Dissipation Factor	$\leq 1.0\%$ (20°C , 1KHz)
Insulation Resistance	$\geq 25000\text{M}\Omega$ CR $\leq 0.33\mu\text{F}$
	$\geq 5000\text{S}$; CR $> 0.33\mu\text{F}$ (20°C , 100V, 1min)

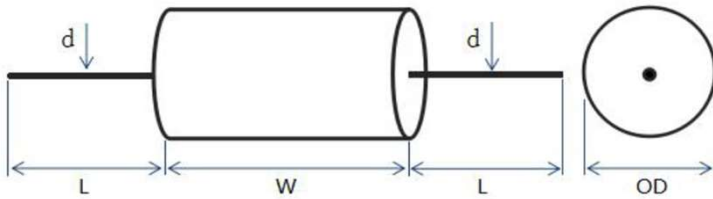
Diagram of Dimensions

Unit: mm

Remark:

L=38mm min

Tolerance: OD: $\pm 2\text{mm}$, W: $\pm 1\text{mm}$



Standard Size Unit: mm

Rated Voltage (Vdc)	100V			250V			400V		
Capacitance (μF)	W	OD	d	W	OD	d	W	OD	d
0.1	18.5	10.0	0.8	18.5	10.0	0.8	18.5	10.0	0.8
0.22	18.5	10.0	0.8	18.5	10.0	0.8	18.5	10.0	0.8
0.33	18.5	10.0	0.8	18.5	10.0	0.8	18.5	10.0	0.8
0.47	18.5	10.0	0.8	18.5	10.0	0.8	18.5	10.0	0.8
0.56	18.5	10.0	0.8	18.5	10.0	0.8	18.5	11.0	0.8
0.68	18.5	9.5	0.8	18.5	9.5	0.8	25.0	10.0	0.8
0.82	18.5	10.0	0.8	18.5	10.0	0.8	25.0	11.0	0.8
1.0	25.0	9.0	0.8	25.0	9.0	0.8	25.0	11.5	0.8
1.2	25.0	10.0	0.8	25.0	11.0	0.8	25.0	12.5	0.8
1.5	25.0	9.0	0.8	25.0	10.5	0.8	25.0	13.5	0.8
1.8	25.0	9.5	0.8	25.0	11.5	0.8	31.0	12.5	0.8
2.0	25.0	10.0	0.8	25.0	12.0	0.8	31.0	13.5	0.8
2.2	25.0	10.5	0.8	25.0	13.0	0.8	31.0	13.5	0.8
2.7	25.0	11.5	0.8	25.0	14.0	0.8	31.0	15.0	0.8
3.0	25.0	11.5	0.8	31.0	13.0	0.8	31.0	16.0	0.8
3.3	25.0	12.0	0.8	31.0	13.5	0.8	31.0	16.5	0.8
3.5	25.0	12.5	0.8	31.0	13.5	0.8	31.0	17.0	0.8
3.9	25.0	13.0	0.8	31.0	14.5	0.8	31.0	17.5	0.8
4.7	31.0	12.5	0.8	31.0	16.0	0.8	31.0	19.0	1.0
5.6	31.0	13.5	0.8	31.0	17.5	0.8	35.0	20.0	1.0
6.8	31.0	14.5	0.8	31.0	18.5	1.0	35.0	21.5	1.0
7.5	31.0	15.0	0.8	35.0	18.5	1.0	35.0	22.5	1.0
8.2	31.0	16.0	1.0	35.0	19.0	1.0	35.0	23.0	1.0
10.0	31.0	17.5	1.0	35.0	21.0	1.0	45.0	23.0	1.0
12.0	31.0	19.0	1.0	35.0	23.0	1.0	45.0	25.0	1.0
15.0	35.0	19.5	1.0	45.0	21.5	1.0	45.0	26.5	1.0
18.0	35.0	21.5	1.0	45.0	23.5	1.0	45.0	29.0	1.0
20.0	35.0	22.5	1.0	45.0	24.5	1.0	45.0	30.5	1.0
22.0	35.0	23.5	1.0	45.0	25.5	1.0	45.0	32.0	1.0
25.0	45.0	21.0	1.0	45.0	27.5	1.0	55.0	31.0	1.0
27.0	45.0	22.0	1.0	45.0	28.5	1.0	55.0	32.5	1.0
30.0	45.0	23.0	1.0	45.0	33.0	1.0	55.0	33.5	1.0
33.0	45.0	24.0	1.0	45.0	31.5	1.0	55.0	34.5	1.0
39.0	45.0	26.5	1.0	45.0	34.0	1.0	55.0	39.0	1.2
47.0	45.0	28.5	1.0	55.0	33.0	1.2	55.0	41.0	1.2
56.0	45.0	31.5	1.0	55.0	36.5	1.2	65.0	43.0	1.2
68.0	55.0	30.5	1.0	55.0	40.0	1.2	65.0	47.0	1.2
82.0	55.0	34.0	1.2	55.0	43.5	1.2	75.0	51.0	1.2
100	55.0	36.5	1.2	65.0	44.0	1.2	75.0	54.0	1.2

Customer products are available on request.