

# Amber Electronic Limited

## A15-B (Round Axial Type) Metallized Polypropylene Film Capacitor (Black)

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### Features

- Wound in metallized polypropylene film, spray metal solder upon terminals.  
    Wrapped with polypropylene 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	40/85/21
Operating Temperature Range	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ( $+55^{\circ}\text{C}$ to $85^{\circ}\text{C}$ : decreasing factor 1.25% per $^{\circ}\text{C}$ for VR(dc) )
Rated Voltage Range	100V、250V、400V、630V、1000V
Capacitance Range	0.001 $\mu\text{F}$ ~ 100 $\mu\text{F}$
Capacitance Tolerance	$\pm 1\%$ (F), $\pm 2\%$ (G) $\pm 3\%$ (H), $\pm 5\%$ (J)
Voltage Proof	1.6U <sub>R</sub> (5s)
Dissipation Factor	$\leq 0.1\%$ (20 $^{\circ}\text{C}$ , 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 $^{\circ}\text{C}$ , 100V, 1min)

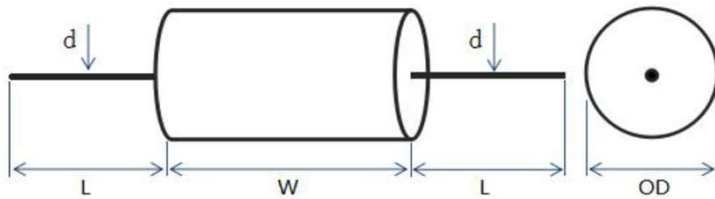
### Diagram of Dimensions

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	11.5	0.8
0.56	18.5	11.0	0.8	18.5	11.0	0.8	25.0	10.0	0.8
0.68	18.5	11.5	0.8	18.5	11.5	0.8	25.0	11.0	0.8
0.82	25.0	10.0	0.8	25.0	10.0	0.8	25.0	11.5	0.8
1.0	25.0	11.0	0.8	25.0	11.0	0.8	25.0	13.0	0.8
1.2	25.0	10.0	0.8	25.0	11.5	0.8	25.0	14.0	0.8
1.5	25.0	11.0	0.8	25.0	13.0	0.8	25.0	15.0	0.8
1.8	25.0	12.0	0.8	25.0	14.0	0.8	31.0	15.0	0.8
2.0	25.0	12.5	0.8	25.0	14.5	0.8	31.0	16.0	0.8
2.2	25.0	13.0	0.8	25.0	15.0	0.8	31.0	16.5	0.8
2.7	31.0	12.0	0.8	31.0	15.5	0.8	31.0	17.5	0.8
3.0	31.0	12.5	0.8	31.0	15.5	0.8	31.0	18.5	0.8
3.3	31.0	13.0	0.8	31.0	16.5	0.8	31.0	19.5	0.8
3.9	31.0	14.0	0.8	31.0	17.5	0.8	35.0	19.5	0.8
4.7	31.0	15.5	0.8	31.0	19.0	0.8	35.0	21.5	1.0
5.6	31.0	17.0	0.8	35.0	19.5	0.8	45.0	21.0	1.0
6.8	31.0	18.5	0.8	35.0	21.5	1.0	45.0	23.0	1.0
7.5	31.0	19.5	0.8	35.0	22.5	1.0	45.0	24.0	1.0
8	31.0	20.0	0.8	35.0	23.5	1.0	45.0	25.0	1.0
8.2	31.0	20,5	1.0	45.0	21.0	1.0	45.0	25.0	1.0
10.0	35.0	21.0	1.0	45.0	23.0	1.0	45.0	26.0	1.0
12.0	35.0	23.0	1.0	45.0	25.0	1.0	45.0	28.5	1.0
15.0	45.0	22.5	1.0	45.0	27.0	1.0	55.0	29.5	1.0
18.0	45.0	24.5	1.0	45.0	29.5	1.0	55.0	32.0	1.0
20.0	45.0	25.5	1.0	55.0	27.5	1.0	55.0	33.0	1.0
22.0	45.0	26.0	1.0	55.0	29.0	1.0	55.0	34.5	1.0
25.0	45.0	27.5	1.0	55.0	31.0	1.0	55.0	37.0	1.0
27.0	45.0	28.5	1.0	55.0	32.0	1.0	55.0	38.5	1.0
30.0	45.0	30.5	1.0	55.0	33.5	1.0	65.0	37.0	1.0
33.0	45.0	31.5	1.0	55.0	35.0	1.0	65.0	38.5	1.0
39.0	55.0	27.5	1.0	55.0	39.5	1.0	65.0	43.0	1.2
47.0	55.0	30.5	1.0	55.0	41.5	1.2	65.0	45.0	1.2
56.0	55.0	33.0	1.0	65.0	43.5	1.2	65.0	48.5	1.2
68.0	55.0	36.0	1.0	65.0	46.0	1.2	75.0	53.5	1.2
82.0	55.0	40.0	1.2	75.0	49.0	1.2	75.0	58.0	1.2
100	55.0	43.5	1.2	75.0	54.0	1.2			

Customer products are available on request.