

# Amber Electronic Limited

## A17 - Metallized Polypropylene Film Capacitor (CBB21)

### Features

- Wound in metallized polypropylene film, spray metal solder upon terminals. Frame retardant epoxy resin dip sealed
- Low dissipation, high insulation resistance and excellent reliability of capacitance
- Excellent self-healing, high reliability
- Widely used in high frequency, DC, AC and pulse circuits
- RoHS Compliant

### Specifications

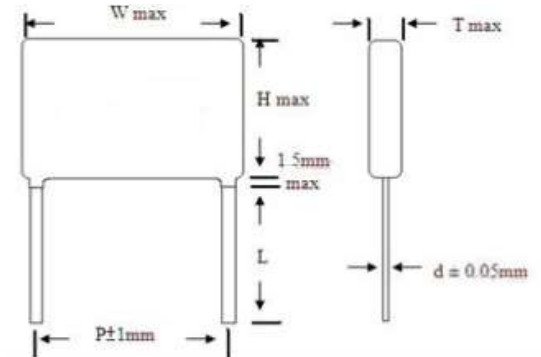
Item	Performance Characteristics
Reference Standard	GB 10190 (IEC 384-16) SJ/T 10353-93
Climatic Category	40/100/56
Operating Temperature Range	-40~+85°C
Rated Voltage Range	100V ~ 630VDC
Capacitance Range	0.01uF ~ 10μF
Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
Voltage Proof	1.6UR (5S)
Dissipation Factor	≤0.1% (1KHz, 1.0Vrms, 20°C)
Insulation Resistance (At 100VDC, 60sec, 20°C)	C ≤0.33uF IR ≥50000MΩ
	C >0.33uF IR ≥15000S

### Diagram of Dimensions

Unit: mm

Remark:

L=20 min



**Standard Size**

Unit: mm

Rated Voltage (Vdc)	100V					250V				
	W	H	T	P	d	W	H	T	P	d
0.010	10.0	9.0	5.0	7.5	0.6	10.0	9.0	5.0	7.5	0.6
0.015	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.018	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6
0.022	10.0	8.5	5.5	7.5	0.6	10.0	8.5	5.5	7.5	0.6
0.027	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6
0.033	10.0	9.5	6.0	7.5	0.6	10.0	9.5	6.0	7.5	0.6
0.047	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6
0.056	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.068	10.0	9.5	6.0	7.5	0.6	10.0	9.5	6.0	7.5	0.6
0.10	10.0	10.0	6.5	7.5	0.6	10.0	10.0	6.5	7.5	0.6
0.15	13.0	10.5	6.5	10.0	0.6	13.0	10.5	6.5	10.0	0.6
0.22	13.0	11.0	7.0	10.0	0.6	13.0	11.0	7.0	10.0	0.6
0.33	13.0	12.5	8.5	10.0	0.6	13.0	12.5	8.5	10.0	0.6
0.47	18.0	12.5	7.0	15.0	0.8	18.0	12.5	7.0	15.0	0.8
0.68	18.0	14.5	8.0	15.0	0.8	18.0	14.5	8.0	15.0	0.8
1.0	18.0	16.5	10.0	15.0	0.8	18.0	16.5	10.0	15.0	0.8
1.5	23.0	17.5	9.5	20.0	0.8	23.0	17.5	9.5	20.0	0.8
2.0	23.0	19.5	10.5	20.0	0.8	23.0	19.5	10.5	20.0	0.8
2.2	23.0	19.5	11.5	20.0	0.8	23.0	19.5	11.5	20.0	0.8
3.0	31.0	19.5	11.0	27.5	0.8	31.0	19.5	11.0	27.5	0.8
3.3	31.0	20.0	11.5	27.5	0.8	31.0	20.0	11.5	27.5	0.8

Rated Voltage (Vdc)	400V					630V				
	W	H	T	P	d	W	H	T	P	d
0.010	13.0	9.0	5.5	10.0	0.6	13.0	9.0	5.5	10.0	0.6
0.015	13.0	9.0	5.5	10.0	0.6	13.0	11.0	6.0	10.0	0.6
0.018	13.0	9.0	5.5	10.0	0.6	13.0	9.0	5.5	10.0	0.6
0.022	13.0	9.0	5.5	10.0	0.6	13.0	9.0	5.5	10.0	0.6
0.027	13.0	9.0	5.5	10.0	0.6	13.0	9.0	5.5	10.0	0.6
0.033	13.0	10.0	6.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6
0.047	13.0	9.0	5.5	10.0	0.6	13.0	10.5	6.5	10.0	0.6
0.056	13.0	8.5	5.5	10.0	0.6	13.0	11.5	7.5	10.0	0.6
0.068	13.0	9.5	6.0	10.0	0.6	18.0	11.0	6.0	15.0	0.8
0.10	13.0	10.5	6.0	10.0	0.6	18.0	10.5	7.0	15.0	0.8
0.15	13.0	11.5	7.0	10.0	0.6	18.0	13.0	7.5	15.0	0.8
0.22	18.0	13.0	7.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8
0.33	18.0	14.5	7.0	15.0	0.8	18.0	17.5	10.0	15.0	0.8
0.47	18.0	15.5	8.5	15.0	0.8	23.0	18.5	11.0	20.0	0.8
0.68	18.0	17.0	10.0	15.0	0.8	25.0	19.5	10.5	22.5	0.8
1.0	23.0	17.5	9.5	20.0	0.8	31.0	21.0	12.5	27.5	0.8
1.5	31.0	17.5	9.0	27.5	0.8	31.0	24.5	14.5	27.5	0.8
2.0	31.0	19.5	10.5	27.5	0.8					
2.2	31.0	20.0	11.5	27.5	0.8					
3.0	31.0	22.5	13.5	27.5	0.8					
3.3	31.0	24.0	14.5	27.5	0.8					

Customer products are available on request.