

# Amber Electronic Limited

## A12 - Metallized Polyester Film Capacitor (CL21)

### Features

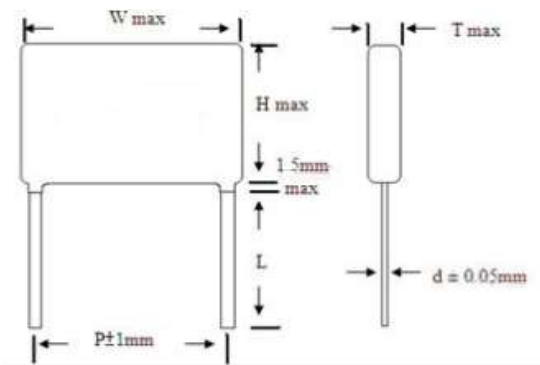
- Wound in metallized polyester film. Spray metal solder upon terminals, epoxy resin dip sealed
- Low dissipation, small size and wide capacitance range
- Excellent self-heating, high reliability
- Widely used in DC and pulsating circuits of broadcasting and TV sets, instruments and communication equipments
- RoHS Compliant

### Specifications

Item	Performance Characteristics
Reference Standard	GB 7332 (IE 60384-2); GB7335
Climatic Category	40/100/56
Operating Temperature Range	-40°C ~ +85°C
Rated Voltage Range	100V ~ 630VDC
Capacitance Range	0.01uF ~ 10uF
Capacitance Tolerance	±5% (J), ±10% (K)
Voltage Proof	1.6U <sub>R</sub> (5S)
Dissipation Factor	≤1% (1KHz, 1.0Vrms, 20°C)
Insulation Resistance (At 100VDC, 60sec, 20°C)	U <sub>R</sub> >100V C ≤0.33uF IR≥30000MΩ C > 0.33uF IR≥10000S
	U <sub>R</sub> ≤100V C ≤0.33uF IR≥15000MΩ C > 0.33uF IR≥5000S

### Diagram of Dimensions

Unit: mm



**Standard Size** Unit: mm

Rated Voltage (Vdc)	100V					250V				
Capacitance (μF)	W	H	T	P	d	W	H	T	P	d
0.010	10.0	8.0	4.5	7.5	0.6	10.0	8.0	4.5	7.5	0.6
0.015	10.0	8.5	5.0	7.5	0.6	10.0	8.5	5.0	7.5	0.6
0.022	10.0	8.0	5.0	7.5	0.6	10.0	8.0	5.0	7.5	0.6
0.033	10.0	8.5	5.0	7.5	0.6	10.0	8.5	5.0	7.5	0.6
0.047	10.0	8.5	5.0	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.068	10.0	8.5	5.5	7.5	0.6	10.0	8.5	5.5	7.5	0.6
0.10	10.0	9.5	5.5	7.5	0.6	13.0	9.5	5.5	10.0	0.6
0.15	13.0	8.5	5.5	10.0	0.6	13.0	10.5	5.0	10.0	0.6
0.22	13.0	8.5	5.5	10.0	0.6	13.0	11.0	6.0	10.0	0.6
0.33	13.0	8.5	5.5	10.0	0.6	18.0	10.5	6.0	15.0	0.8
0.47	13.0	9.0	5.5	10.0	0.6	18.0	12.0	6.5	15.0	0.8
0.68	13.0	10.0	6.0	10.0	0.6	18.0	13.5	8.0	15.0	0.8
1.0	18.0	13.0	7.5	15.0	0.8	18.0	15.5	9.5	15.0	0.8
1.2	18.0	12.0	7.0	15.0	0.8	23.0	15.0	8.0	20.0	0.8
1.5	18.0	12.5	7.5	15.0	0.8	23.0	16.5	9.0	20.0	0.8
2.2	18.0	16.0	10.0	15.0	0.8	23.0	20.0	9.0	20.0	0.8
3.3	23.0	15.5	8.5	20.0	0.8	25.0	21.0	11.5	22.5	0.8
4.7	23.0	17.0	10.0	20.0	0.8	31.0	22.0	12.5	27.5	0.8
6.8	25.0	18.0	12.0	22.5	0.8					
10.0	31.0	19.0	12.0	27.5	0.8					

Rated Voltage (Vdc)	400V					630V				
Capacitance (μF)	W	H	T	P	d	W	H	T	P	d
0.010	10.0	8.0	4.5	7.5	0.6	13.0	8.5	5.5	10.0	0.6
0.015	10.0	8.5	5.0	7.5	0.6	13.0	9.5	6.0	10.0	0.6
0.022	13.0	9.5	5.5	10.0	0.6	13.0	9.5	5.5	10.0	0.6
0.033	13.0	9.5	5.5	10.0	0.6	13.0	9.5	5.5	10.0	0.6
0.047	13.0	8.0	5.0	10.0	0.6	13.0	9.5	6.5	10.0	0.6
0.068	13.0	9.0	6.0	10.0	0.6	13.0	11.5	7.0	10.0	0.6
0.10	13.0	10.5	5.5	10.0	0.6	18.0	10.5	6.0	15.0	0.8
0.15	13.0	11.5	7.0	10.0	0.6	18.0	12.0	7.0	15.0	0.8
0.22	18.0	12.0	6.5	15.0	0.8	18.0	13.5	8.0	15.0	0.8
0.33	18.0	12.5	7.0	15.0	0.8	18.0	16.5	9.5	15.0	0.8
0.47	18.0	15.0	8.0	15.0	0.8	23.0	16.5	9.5	20.0	0.8
0.68	18.0	17.0	9.5	15.0	0.8	23.0	18.0	11.0	20.0	0.8
1.0	23.0	17.5	9.5	20.0	0.8	25.0	20.0	12.5	22.5	0.8
1.2	23.0	18.5	10.5	20.0	0.8	31.0	21.0	12.0	27.5	0.8
1.5	25.0	19.0	10.5	22.5	0.8	31.0	22.5	13.5	27.5	0.8
2.2	31.0	20.0	11.0	27.5	0.8					
3.3	31.0	23.0	13.5	27.5	0.8					

Customer products are available on request.