

# Amber Electronic Limited

## A13 - Miniaturized Metallized Polyester Film Capacitor (CL21X)

### Features

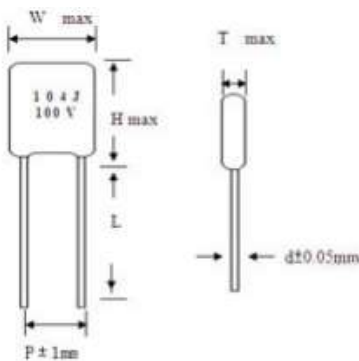
- Wound in metallized polyester film spray metal solder upon terminals. Epoxy resin dip sealed
- Low dissipation, small size
- Excellent self-healing, high reliability
- Available for automatic insertion
- Widely used in DC and pulsating circuits of broadcasting and TV sets and other kinds of instruments and communication equipments
- RoHS Compliant

### Specifications

Item	Performance Characteristics
Reference Standard	GB 7332 (IEC 60384-2)
Climatic Category	40/100/56
Operating Temperature Range	-40~+85°C
Rated Voltage Range	50/63V ~ 100VDC
Capacitance Range	0.001uF ~ 1.0μF
Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
Voltage Proof	1.6UR (5S)
Dissipation Factor	≤1% (1KHz, 1.0Vrms, 20°C)
Insulation Resistance (At 100VDC, 60sec, 20°C)	C ≤0.33uF IR ≥15000MΩ
	C >0.33uF IR ≥5000S

### Diagram of Dimensions

Unit: mm



**Standard Size**

Unit: mm

Rated Voltage (Vdc)	50/63V					100V				
	W	H	T	P	d	W	H	T	P	d
0.0010	7.5	7.0	3.5	5.0	0.5	7.5	7.0	3.5	5.0	0.5
0.0012	7.5	7.0	3.5	5.0	0.5	7.5	7.0	3.5	5.0	0.5
0.0015	7.5	7.0	4.0	5.0	0.5	7.5	7.0	4.0	5.0	0.5
0.0018	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0022	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0027	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0033	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0039	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0047	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0056	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0068	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.0082	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.010	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.012	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.015	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.018	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.022	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.027	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.033	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.039	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.047	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.056	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.068	7.5	7.5	4.0	5.0	0.5	7.5	7.5	4.0	5.0	0.5
0.082	7.5	8.0	4.5	5.0	0.5	7.5	8.0	4.5	5.0	0.5
0.10	7.5	9.5	4.5	5.0	0.5	7.5	9.5	4.5	5.0	0.5
0.12	7.5	7.5	4.0	7.5	0.6	10.5	7.5	4.0	7.5	0.6
0.15	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6
0.22	10.5	9.5	4.5	7.5	0.6	10.5	9.5	4.5	7.5	0.6
0.27	10.5	10.0	5.0	7.5	0.6	10.5	10.0	5.0	7.5	0.6
0.33	10.5	10.0	5.0	7.5	0.6	10.5	10.5	5.5	7.5	0.6
0.39	10.5	10.0	5.0	7.5	0.6	10.5	11.0	6.0	7.5	0.6
0.47	10.5	10.0	5.0	7.5	0.6	10.5	11.5	6.5	7.5	0.6
0.56	10.5	10.0	5.5	7.5	0.6	10.5	11.5	7.0	7.5	0.6
0.68	10.5	10.0	5.5	7.5	0.6	10.5	12.0	8.0	7.5	0.6
0.82	10.5	10.0	6.5	7.5	0.6	10.5	13.0	9.0	7.5	0.6
1.0	10.5	10.5	7.0	7.5	0.6	10.5	14.0	9.5	7.5	0.6

Customer products are available on request.