

## Series: PPCL

Stacked metallized PPS film as dielectric with simple mold-less construction.

### FEATURES

Small in size

Low loss and excellent frequency characteristics

Applicable for both flow and reflow soldering



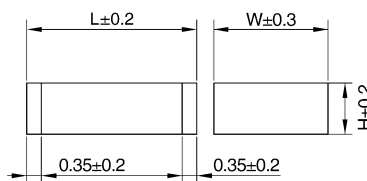
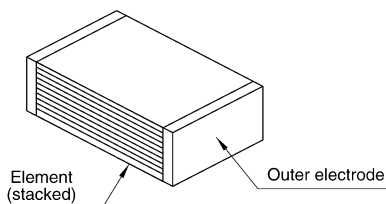
### RECOMMENDED APPLICATIONS

Resonance circuit for LCD backlighting inverter unit

### SPECIFICATIONS

Operating temp.range	-55°C to +125°C
Rated voltage	50VD (C ≥ 0.12 μF: Derating of rated voltage by 1.25% °C at more than 105°C)
Capacitance range	0.047 to 0.22 μF (E12)
Capacitance tolerance	±2%(G), ±5%(J)
Withstand voltage	Between terminals: Rated voltage (VDC) x 175% 1 to 5s
Dissipation factor	≤0.6% (20°C, 1kHz)
Insulation resistance	≥3000MΩ (20°C, 50VDC 60s)
Soldering conditions	Flow soldering: 260°C max. 5 sec. max. Reflow soldering: 260°C max. and 30 sec. max. at more than 230°C (Temp. at cap. surface)

### CONSTRUCTION



### DIMENSIONS IN MM (NOT TO SCALE)

Size code	L	W	H
E1	4.8	3.3	1.4
E2	4.8	3.3	2.0
E3a	4.8	3.3	2.4
E3	4.8	3.3	2.8
D1	6.0	4.1	1.8
D3	6.0	4.1	2.4
D4	6.0	4.1	2.8
D5	6.0	4.1	3.2

## RATING, DIMENSIONS & QUANTITY/REEL

Cap. (µF)	Rating volt. 50VDC					
	Part No.	Dimensions (mm)			Code	Qty
		L	W	H		
0.047	PPCL473□50TE1	4.8	3.3	1.4	E1	3000
0.056	PPCL563□50TE2	4.8	3.3	2.0	E2	3000
0.068	PPCL683□50TE2	4.8	3.3	2.0	E2	3000
0.082	PPCL823□50TE3a	4.8	3.3	2.4	E3a	2000
0.1	PPCL104□50TE3	4.8	3.3	2.8	E3	2000
0.12	PPCL124□50TD1	6.0	4.1	1.8	D1	3000
0.15	PPCL154□50TD3	6.0	4.1	1.8	D3	2000
0.18	PPCL184□50TD4	6.0	4.1	2.0	D4	2000
0.22	PPCL224□50TD5	6.0	4.1	2.4	D5	2000

## EXAMPLE FOR LAND DIMENSIONS (MM)

Size Code	Land dimensions (mm)					
	Flow soldering			Reflow soldering		
	A	B	C	A	B	C
E1, E2, E3a, E3	2.6	6.6	3.0	2.6	6.6	3.0
D1, D3, D4, D5	3.8	7.8	3.8	3.8	7.8	3.8

\* Use PPC 16VDC or 50VDC type for the capacitor range less than 0.1µF.

