

# PRODUKT-INFO

## CPX-84 SMD CRYSTAL

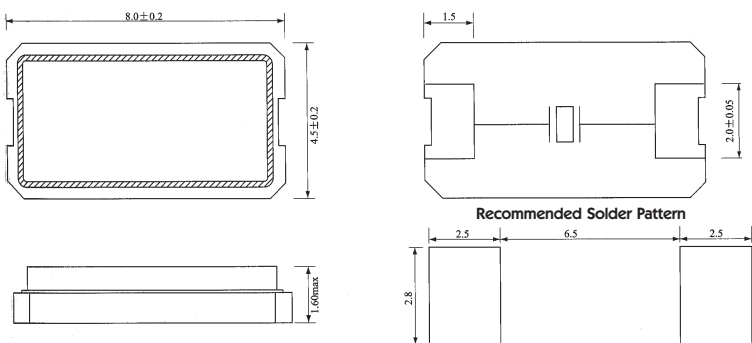
ELECTRICAL SPECIFICATIONS	
<b>Model</b>	<b>CPX-84</b>
<b>Frequency Range</b>	6.0 MHz ~ 100.0 MHz
<b>Frequency Tolerance (at +25°C)</b>	±30 ppm / ±50 ppm / ±100 ppm
<b>Frequency Stability</b>	±30 ppm / ±50 ppm / ±100 ppm
<b>Operating Temperature Range</b>	-20°C to +70°C, -40°C to +85°C option
<b>Equivalent Series Resistance and Oscillation Mode</b>	6.0 ~ 9.999 MHz 120 Ω max. Fundamental 10.0 ~ 11.999 MHz 80 Ω max. Fundamental 12.0 ~ 39.999 MHz 50 Ω max. Fundamental 40.0 ~ 100.0 MHz 70 Ω max. 3rd Overtone
<b>Load Capacitance (C<sub>L</sub>)</b>	10 pF ~ Series (Customer Spec.)
<b>Shunt Capacitance</b>	7 pF max.
<b>Drive Level</b>	100 μW (300 μW max.)
<b>Shock</b>	allowed to fall freely onto the hard wooden board from height of 75 cm
<b>Vibration</b>	10.0 Hz – 55.0 Hz, Amplitude 1,5 mm, applied for 30 min. in 3D (X, Y, Z)
<b>Aging (at +25°C) first year</b>	±5 ppm / year max.



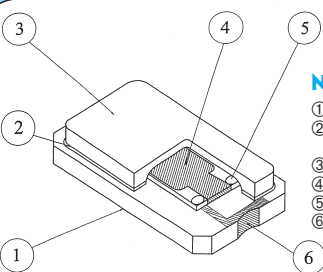
Actual Size



Dimensions (Units: mm)



8.0 x 4.5 x 1.6

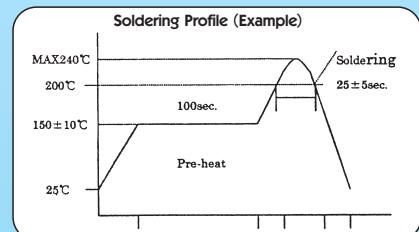


### No. Parts

- ① Base
- ② Glass
- ③ Cap
- ④ Crystal Unit
- ⑤ Conductive Adhesive
- ⑥ Electrode

### Materials

- Ceramics
- Low Temperature Glass
- Ceramics
- Silver-Filled Au



Resistance to Moisture	Test Condition
	Temperature +60°C (± 2 °C)
	Humidity 90 ~ 95 %
	Time 500 h
Soldering Conditions	Material of Solder
Kind	Eutectic solder paste
Melting point	180°C (± 5 °C)
Temp. profile of reflow soldering system	
Peak 240°C (± 5 °C)	10 sec.
Preheating 150°C, typical	100 sec. typical
Total	200 sec. max.

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Telefon 0 82 21 / 7 08 - 0 · Telefax 0 82 21 / 7 08 - 80

All specifications subject to change without notice.