

PRODUKT-INFO

CPX-21 SMD CRYSTAL

FEATURES

1. Ultra-thin and small type surface mounting quartz crystal with height only 0.45 mm.
2. A highly reliable seam welding sealing is adopted to assure high realization and reflow soldering is possible.
3. Automatic mounting is enabled by emboss tapping.



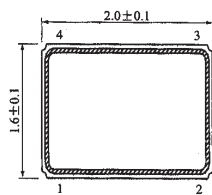
Actual Size

APPLICATION

Cellphones, Bluetooth, etc.

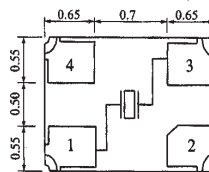
ELECTRICAL SPECIFICATIONS	
Model	CPX-21
Frequency Range	24.0 MHz ~ 54.0 MHz
Oscillation Mode	Fundamental
Shunt Capacitance	3 pF max.
Load Capacitance (C_L)	8 pF, 12 pF, Series (Customer Spec.)
Drive Level	50 μW (100 μW max.)
Frequency Tolerance (at +25°C)	±10 ppm / ±15 ppm / ±30 ppm
Equivalent Series Resistance	24.0 MHz ~ 24.999 MHz: 100 Ω max. 25.0 MHz ~ 35.999 MHz: 80 Ω max. 36.0 MHz ~ 54.000 MHz: 60 Ω max.
Insulator Resistance (Custom Specified)	500 MΩ min. at 100VDC
Temperature Stability (at +25°C)	±10 ppm / ±15 ppm / ±30 ppm
Operating Temperature Range	-20°C to +70°C, -40°C to +85°C option
Storage Temperature Range	-40°C to +85°C
Aging (at +25°C) first year	±2 ppm / year max.

Dimensions (Units: mm)

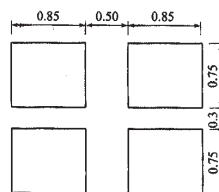


2.0 x 1.6 x 0.45

Top View



Recommended Solder Pattern



*Crystals...
and more*

Now available

RoHS
COMPLIANT
2002/95/EC



digital electronic
siegfried lehrer gmbh
Rudolf-Wanzl-Str. 3+5
D-89340 Leipzig / Germany
www.digitallehrer.de
digital@digitallehrer.de

Telefon +49 (0) 82 21 / 7 08 - 0 · Telefax +49 (0) 82 21 / 7 08 - 80

All specifications subject to change without notice.