

PRODUKT-INFO

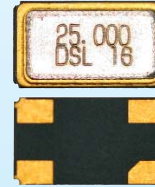
CPX-49SP SMD CRYSTAL

FEATURES

1. Ceramic package with seam welding.
2. Ultra miniature size.
3. Excellent heat and shock resistance.

APPLICATION

Excellent electric performance. Optimum for mobile phone and bluetooth applications.



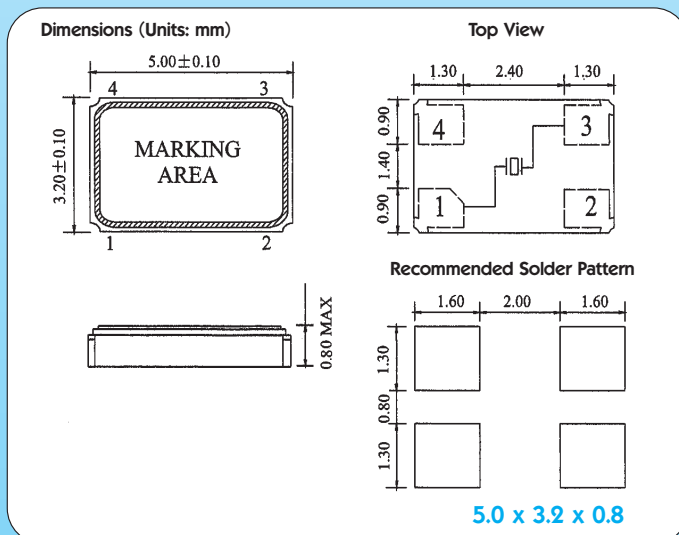
Actual Size



ELECTRICAL SPECIFICATIONS	
Model	CPX-49SP
Frequency Range	10.0 MHz ~ 80.0 MHz
Frequency Tolerance (at +25°C)	±10 ppm / ±30 ppm / ±50 ppm
Frequency Stability	±10 ppm / ±30 ppm / ±50 ppm
Operating Temperature Range	-20°C to +70°C, -40°C to +85°C option
Equivalent Series Resistance	see Table 1
Drive Level	100 µW (300 µW max.)
Load Capacitance (C _L)	8 pF ~ Series (Customer Spec.)
Storage Temperature Range	-40°C to +85°C
Aging (at +25°C) first year	±2 ppm / year max.

Table 1

EQUIVALENT SERIES RESISTANCE (ESR) AND OSCILLATION MODE		
Frequency Range	ESR Ω max.	Mode / Cut
10.000 MHz ~ 19.999 MHz	80	Fundamental / AT
20.000 MHz ~ 29.999 MHz	70	Fundamental / AT
30.000 MHz ~ 47.999 MHz	50	Fundamental / AT
48.000 MHz ~ 80.000 MHz	70	3rd Overtone



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All specifications subject to change without notice.