

# PRODUKT-INFO

## CPX-49S SMD CRYSTAL

### FEATURES

1. Ceramic package.
2. Seam welding.
3. SMD miniature size.
4. Wide frequency range.

### APPLICATION

It is widely applied in notebook computer, PCMCIA and communication equipment.



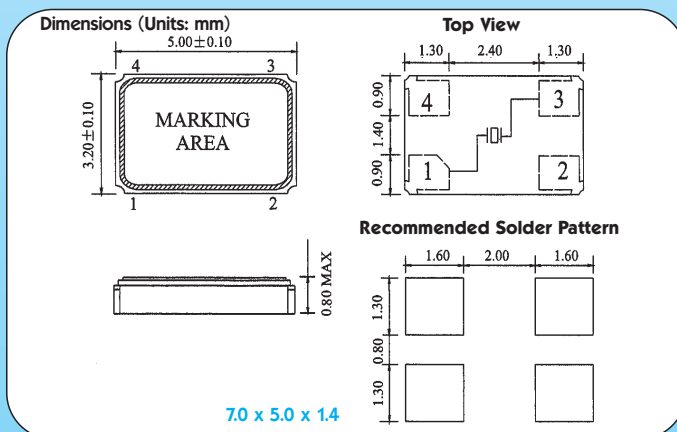
Actual Size



ELECTRICAL SPECIFICATIONS	
Model	CPX-49S
Frequency Range	7.0 MHz ~ 100.0 MHz
Frequency Tolerance (at +25°C)	±10 ppm / ±30 ppm / ±50 ppm
Operating Temperature Range	-20°C to +70°C, -40°C to +85°C option
Frequency Stability	±10 ppm / ±30 ppm / ±50 ppm
Equivalent Series Resistance	see Table 1
Load Capacitance (C <sub>L</sub> )	10 pF, 12 pF, etc. (Customer Spec.)
Drive Level	100 μW (300 μW max.)
Aging (at +25°C) first year	±5 ppm / year max.

Table 1

EQUIVALENT SERIES RESISTANCE (ESR) AND OSCILLATION MODE		
Frequency Range	ESR Ω max.	Mode / Cut
6.000 MHz ~ 7.999 MHz	100	Fundamental / AT
8.000 MHz ~ 15.999 MHz	60	Fundamental / AT
16.000 MHz ~ 39.999 MHz	40	Fundamental / AT
40.000 MHz ~ 83.999 MHz	70	3rd Overtone
84.000 MHz ~ 100.0 MHz	60	3rd Overtone



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All specifications subject to change without notice.