

RESISTANCE WELD SMD CRYSTAL

HC49SD

FEATURES

- Low Cost
- Stock Standard
- Fundamental to 50 MHz (BT Cut)
- Tape and Reel (1,000 pcs. STD)

OPTIONS

- Tolerances to < 10 PPM
- Stabilities to < 5 PPM
- Temperatures to -40°C ~ +85°C
- 3.2mm Height Max (HC49SSD)



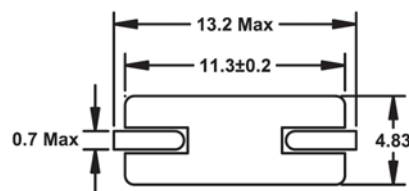
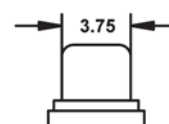
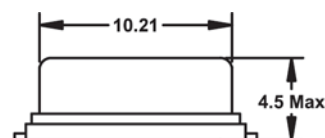
• STANDARD SPECIFICATIONS ¹		
PARAMETERS	MAX (unless otherwise noted)	
Frequency Range	3.200 ~ 70.000 MHz	
Frequency Tolerance: @ 25°C	±50 PPM	
Frequency Stability, ref @ 25°C Over Operating Temp Range	±50 PPM	
Temperature Range		
Operating (TOPR)	-10°C ~ +70°C	
Storage (TSTG)	-40°C ~ +85°C	
Shunt Capacitance (Co)	7.0 pF	
Load Capacitance (CL)	10 pF ~ Series (Customer Specified)	
Drive Level	0.5 mW	
Aging @ 25°C; per year	±5 PPM	

¹ Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.

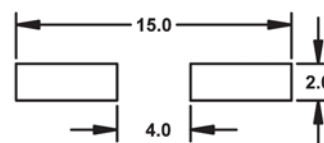
² Crystal has a ±30ppm tolerance specification for all standard part numbers. These part numbers are listed in the Fox catalog on the Standard Crystal table.

All specifications subject to change without notice. Rev. 11/10/03

Frequency Range (MHz)	Operating Mode	Max ESR Ω
3.200 ~ 3.500	Fundamental	300
3.500+ ~ 4.000	Fundamental	200
4.000+ ~ 5.000	Fundamental	150
5.000+ ~ 6.000	Fundamental	120
6.000+ ~ 7.000	Fundamental	100
7.000+ ~ 9.000	Fundamental	80
9.000+ ~ 13.000	Fundamental	60
13.000+ ~ 20.000	Fundamental	40
20.000+ ~ 50.000	Fundamental	30
27.000 ~ 70.000	3rd OT	100



Recommended HC49SD Solder Pad Layout



All dimensions are in millimeters.

See page 28 for tape and reel specifications.