

RESISTANCE WELD SMD CRYSTAL **MODEL: HC49SD SERIES**

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
- 4 Pad HC49SPX (Alternate to FPX)
- 3.2mm Height Max (HC49SSD)

DISCONTINUED

Quote it!



PART NUMBER SELECTION Learn More - Internet Required

PARAMETERS	MAX (unless otherwise noted)
Frequency Range	3.200 ~ 70.000 MHz
Frequency Tolerance @ 25°C	±50 PPM ^{1,2}
Frequency Stability, ref @ 25°C Over Operating Temp Range	±50 PPM ¹
Temperature Range	
Operating (TOPR)	-10°C ~ +70°C ¹
Storage (TSTG)	-40°C ~ +85°C
Shunt Capacitance (Co)	7 pF
Load Capacitance (CL)	10 pF ~ Series (Customer Specified)
Drive Level	0.5 mW
Aging per year	±5 PPM

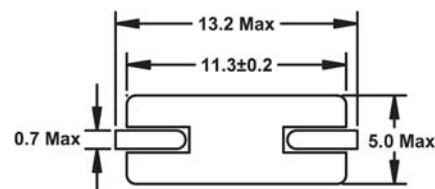
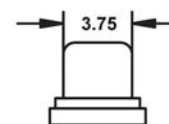
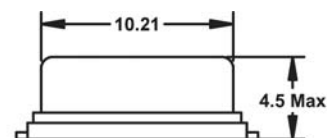
¹ Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.

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.

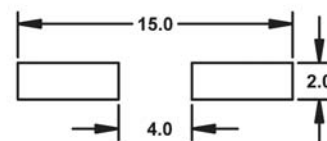
All specifications subject to change without notice. Rev. 3/9/05

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

Learn more about:
Part Marking Identification
Tape and Reel Specification
Internet required



**Recommended
 HC49SD Solder Pad Layout**



All dimensions are in millimeters.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Fox:

[278-48-23](#) [FOXSD/0368-20TR](#) [FOXSD/160-20](#) [FOXSD/0368-20](#) [FOXSD/225-20](#) [FOXSD640-20](#) [FOXSD/250F-20](#)
[FOXSD/400-20 FUND](#) [278-10-47](#) [FOXSD/196-20](#) [FOXSD/098-20](#) [FOXSD/120-20](#) [FOXSD/245F-20](#) [FOXSD/564-18](#)
[FOXSD/0443](#) [FOXSD/081-20](#) [FOXSD/184-20](#) [FOXSD/128-20](#) [FOXSD/320-20](#) [FOXSD/200-20](#) [FOXSD/05A/TR](#)
[FOXSD/147-20](#) [FOXSD/081-20/TR](#) [FOXSD/221-20](#) [FOXSD/098-20/TR](#) [FOXSD/080-20](#) [FOXSD/073-20](#)
[FOXSD/036S](#) [FOXSD/480-20](#) [FOXSD/05A](#) [FOXSD/100-20](#) [FOXSD/040](#) [FOXSD/041](#) [FOXSD/240F-20](#) [FOXSD600-](#)
[20](#) [FOXSD/115-20](#) [FOXSD/147-20/TR](#) [FOXSD/060-20](#) [FOXSD/111-20](#) [FOXSD500-20](#) [FOXSD/049-20](#) [FOXSD/143-](#)
[20](#) [FOXSD/200-20-LF](#)