



RESISTANCE WELD SMD CRYSTAL MODEL: HC49SSD

FEATURES

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

OPTIONS

- Tolerances to < 10 PPM
- Stabilities to < 5 PPM
- Temperatures to -40°C ~ +105°C



DISCONTINUED



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

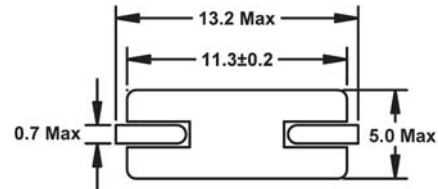
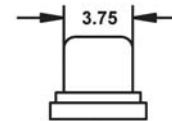
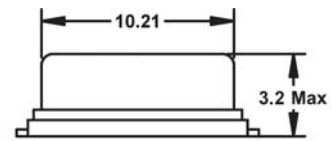
| • PART NUMB | | |
|---------------------|--------------|----------------|
| Part Number | Model Number | |
| 280-Frequency-xxxxx | HC49SSD | 3.200 ~ 70.000 |

| • STANDARD SPECIFICATIONS ¹ | | |
|--|--|--|
| PARAMETERS | MAX (unless otherwise noted) | |
| Frequency Range | 3.200 ~ 70.000 MHz | |
| Frequency Tolerance ² @ 25°C | ±50 PPM ^{1,2} | |
| Frequency Stability, ref @ 25°C Over Operating Temp Range | ±50 PPM ¹ | |
| Temperature Range | | |
| Operating (TOPR) | -20°C ~ +70°C ¹ | |
| Storage (TSTG) | -40°C ~ +85°C | |
| Shunt Capacitance (Co) | 7pF | |
| Load Capacitance (CL) | 10 pF ~ Series (Customer Specified) | |
| Drive Level | 0.5 mW | |
| Aging per year | ±5 PPM | |

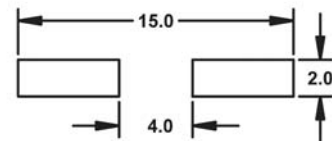
¹ Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.

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



Recommended HC49SD Solder Pad Layout



All dimensions are in millimeters.

| 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 |