

# RESISTANCE WELD THRU-HOLE CRYSTAL HC49S

## FEATURES

- Low Cost
- Stocking Standard
- Fundamental to 50 MHz
- Resistance Weld

## OPTIONS

- Tolerances to < 10 PPM
- Stabilities to < 5 PPM
- Temperatures to -40°C ~ +85°C
- 4 Pad HC49SPX (Alternate to FPX)
- 2.5mm Height Max (HC49SS)



## DISCONTINUED

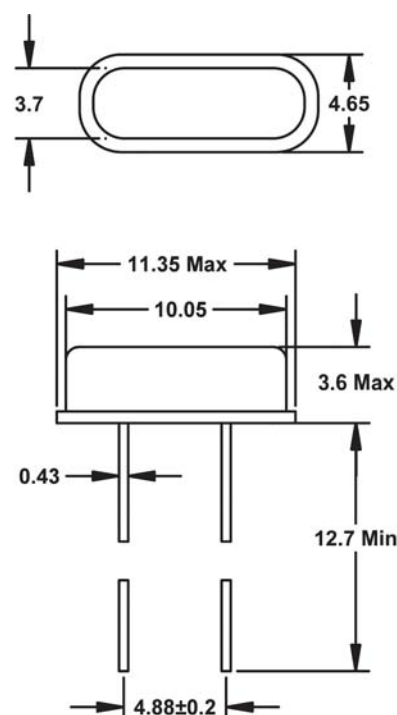
| • STANDARD SPECIFICATIONS <sup>1</sup>                       |                                        |  |
|--------------------------------------------------------------|----------------------------------------|--|
| PARAMETERS                                                   | MAX (unless otherwise noted)           |  |
| Frequency Range                                              | 3.200 ~ 70.000 MHz                     |  |
| Frequency Tolerance: @ 25°C                                  | ±50 PPM                                |  |
| Frequency Stability, ref @ 25°C<br>Over Operating Temp Range | ±50 PPM                                |  |
| Temperature Range                                            |                                        |  |
| Operating (TOPR)                                             | -20°C ~ +70°C                          |  |
| Storage (TSTG)                                               | -40°C ~ +85°C                          |  |
| Shunt Capacitance (Co)                                       | 7.0 pF                                 |  |
| Load Capacitance (CL)                                        | 10 pF ~ Series<br>(Customer Specified) |  |
| Drive Level                                                  | 0.5 mW                                 |  |
| Aging per year                                               | ±5 PPM                                 |  |

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

<sup>2</sup> 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. 2/25/04

| 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       |



All dimensions are in millimeters.

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