

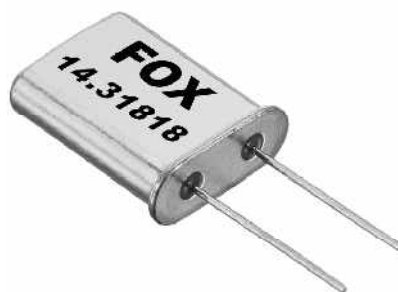
# RESISTANCE WELD THRU-HOLE CRYSTAL HC49U

## FEATURES

- Low Cost
- Stocking Standard
- High Frequency Range
- Fundamental to 40 MHz
- Resistance Weld

## OPTIONS

- Tolerances to < 5 PPM
- Stabilities to < 3 PPM
- Temperatures to -40°C ~ -85°C
- Mylar Spacer
- Vinyl Sleeve
- Third Lead
- SMD Gullwing (HC49UW)



# DISCONTINUED

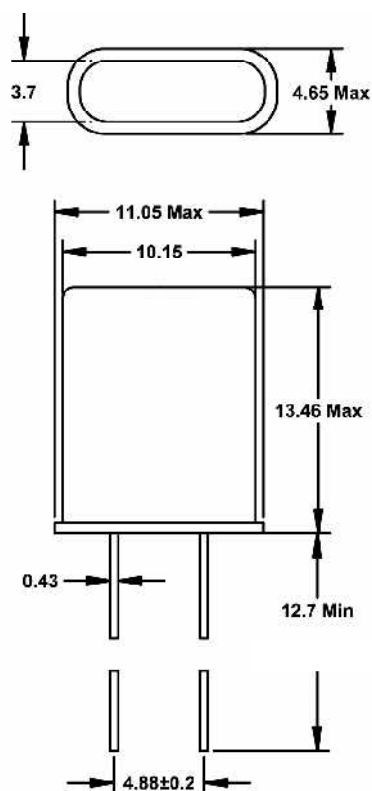
## • STANDARD SPECIFICATIONS<sup>1</sup>

| PARAMETERS                                                   | MAX (unless otherwise noted)           |
|--------------------------------------------------------------|----------------------------------------|
| Frequency Range                                              | 1.8432 ~ 180.000 MHz                   |
| Frequency Tolerance @ 25°C                                   | ±30 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                                                  |                                        |
| 1.8432 ~ 3.000 MHz                                           | 2.0 mW                                 |
| 3.000+ ~ 180.000 MHz                                         | 1.0 mW                                 |
| Aging per year                                               | ±5 PPM                                 |

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

All specifications subject to change without notice. Rev. 02/10/03

| Frequency Range (MHz) | Operating Mode | Max ESR W |
|-----------------------|----------------|-----------|
| 1.8432 ~ 2.000        | Fundamental    | 750       |
| 2.000+ ~ 2.400        | Fundamental    | 500       |
| 2.400+ ~ 3.000        | Fundamental    | 300       |
| 3.000+ ~ 3.200        | Fundamental    | 200       |
| 3.200+ ~ 3.700        | Fundamental    | 120       |
| 3.700+ ~ 4.200        | Fundamental    | 100       |
| 4.200+ ~ 4.900        | Fundamental    | 70        |
| 4.900+ ~ 5.000        | Fundamental    | 55        |
| 5.000+ ~ 6.000        | Fundamental    | 50        |
| 6.000+ ~ 8.000        | Fundamental    | 40        |
| 8.000+ ~ 10.000       | Fundamental    | 35        |
| 10.000+ ~ 12.500      | Fundamental    | 30        |
| 12.500+ ~ 16.000      | Fundamental    | 25        |
| 16.000+ ~ 40.000      | Fundamental    | 20        |
| 23.000+ ~ 75.000      | 3rd OT         | 40        |
| 60.000 ~ 110.000      | 5th OT         | 80        |
| 110.000 ~ 180.000     | 7th OT         | 120       |



All dimensions are in millimeters.