

# Resistance Weld Thru-Hole Crystal



Model: HC80U

RoHS Compliant / Pb Free

Rev. 8/1/2011

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[http://www.foxonline.com/need\\_a\\_sample.htm](http://www.foxonline.com/need_a_sample.htm)

Need a  
Sample®

## FEATURES

- High Frequency Range
- Fundamental to 50 MHz
- Resistance Weld

## OPTIONS

- Tolerances to < 5 PPM
- Stabilities to < 3 PPM
- Temperatures to -40°C ~ -85°C

### • PART NUMBER [Learn More](#) - Internet Required

| Part Number         | Model Number | Frequency Range (MHz) |
|---------------------|--------------|-----------------------|
| 282-Frequency-xxxxx | HC80U        | 3.579545 ~ 200.000    |

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

| PARAMETERS   | MAX (unless otherwise noted)           |
|--|--|
| Frequency Range  | 3.579545 ~ 200.000 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  | 1.0 mW                                 |
| Aging per year   | ±3 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.

| Frequency Range (MHz) | Operating Mode | Max ESR Ω |
|-----------------------|----------------|-----------|
| 3.579545 ~ 4.000      | Fundamental    | 300       |
| 4.000+ ~ 5.000        | Fundamental    | 250       |
| 5.000+ ~ 6.000        | Fundamental    | 180       |
| 6.000+ ~ 7.000        | Fundamental    | 120       |
| 7.000+ ~ 8.000        | Fundamental    | 100       |
| 8.000+ ~ 10.000       | Fundamental    | 90        |
| 10.000+ ~ 11.000      | Fundamental    | 60        |
| 11.000+ ~ 50.000      | Fundamental    | 40        |
| 25.000 ~ 65.000       | 3rd OT         | 60        |
| 60.000 ~ 200.000      | 5th OT         | 100       |

