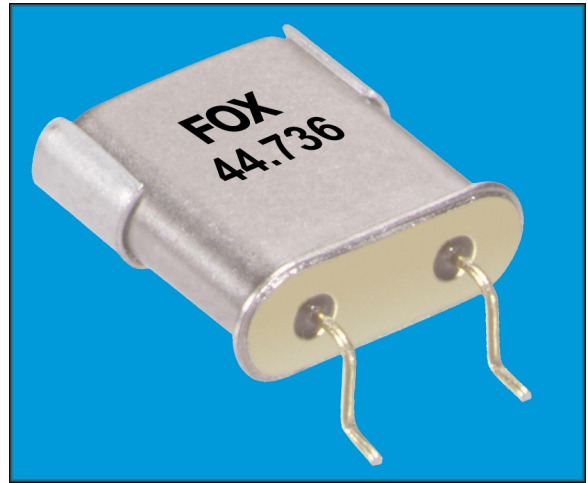


# RESISTANCE WELD MINIATURE CRYSTAL (GULLWING)

Pb Free

## HC80UW Pb Free

The HC80UW Quartz Crystal is a miniature resistance welded package that provides for an excellent hermetic seal and frequency aging. This high quality crystal offers a smaller footprint in a wide frequency range.



CRYSTALS

### FEATURES

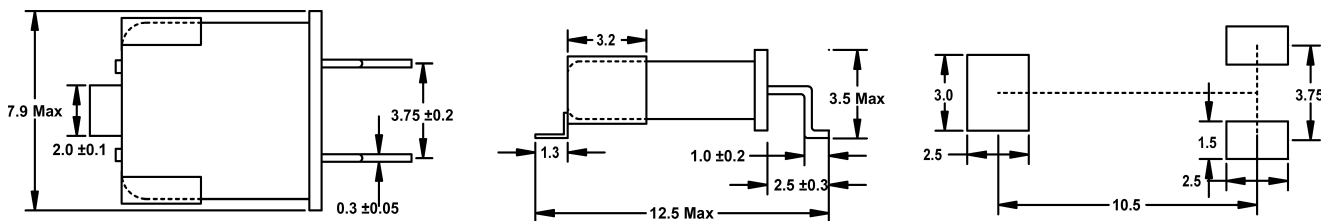
- Miniature Package
- Wide Frequency Range
- Small Footprint
- Low Profile
- Excellent Aging

• HC80UW STANDARD SPECIFICATIONS *				
PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		3.579545	200.000	MHz
Frequency Tolerance	Ta = 25°C	-30	+30	PPM
Frequency Stability, ref @ 25°C	Ta = -20°C ~ +70°C	-50	+50	PPM
Temperature Range				
Operating (TOPR)		-20	+70	°C
Storage (TSTG)		-40	+85	
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Drive Level	3.579545 ~ 200.000 MHz		1.0	mW
Aging	Ta = 25°C; per year	-3.0	+3.0	PPM

Frequency Range (MHz)	Operating Mode	Max ESR Ω	Frequency Range (MHz)	Operating Mode	Max ESR Ω
3.579545~ 4.000	Fundamental	300	10.000+~ 11.000	Fundamental	60
4.000+ ~ 5.000	Fundamental	250	11.000+~ 27.000	Fundamental	40
5.000+ ~ 6.000	Fundamental	180	25.000 ~ 65.000	3rd OT	60
6.000+ ~ 7.000	Fundamental	120	60.000 ~ 130.000	5th OT	100
7.000+ ~ 8.000	Fundamental	100	130.000 ~ 200.000	7th OT	150
8.000+ ~ 10.000	Fundamental	90			

\* Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements, or use crystal order form on page 6.  
All specifications subject to change without notice. Rev. 05/03/00

### Recommended Solder Pad Layout



All dimensions are in millimeters.