

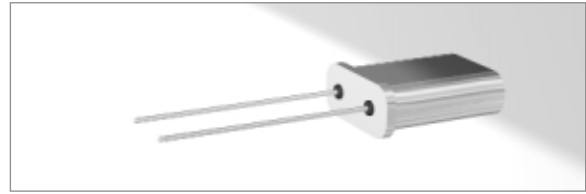
## Quartz Crystal HC49U

### Features

- Low Cost
- Industry Standard
- Wide Frequency Range
- Excellent Aging
- "AT" Cut Crystal

### Options

- Tighter Tolerance Stabilities
- Mylar Spacer
- Viny Sleeve
- Third Lead
- Tape and Reel



### Standard Specifications

Parameters	Conditions	Min	Max	Units
Frequency Range		1.8432	180.000	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 (TSIG)		-30	+85	
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10.0	Series	pF
Drive Level	1.8432 ~ 3,000MHz 3,000+ ~ 180,000MHz		2.0 1.0	mW
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM

Frequency Range (MHz)	Operating Mode	Max ESRΩ	Frequency Range (MHz)	Operating Mode	Max ESRΩ
1.8432 ~ 2.000	Fundamental	750	6.000+ ~ 8.000	Fundamental	10
2.000+ ~ 2.400	Fundamental	500	8.000+ ~ 10.000	Fundamental	35
2.400+ ~ 3.000	Fundamental	300	10.000+ ~ 12.500	Fundamental	30
3.000+ ~ 3.200	Fundamental	200	12.500+ ~ 16.000	Fundamental	25
3.200+ ~ 3.700	Fundamental	120	16.000+ ~ 25.000	Fundamental	20
3.700+ ~ 4.200	Fundamental	100	16.000+ ~ 23.000	3rd OT	60
4.200+ ~ 4.900	Fundamental	70	23.000+ ~ 65.000	3rd OT	40
4.900+ ~ 5.000	Fundamental	55	60.000 ~ 110.000	5th OT	80
5.000+ ~ 6.000	Fundamental	50	110.000 ~ 180.000	7th OT	120

\* Other tolerance, 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. 03/02/00

