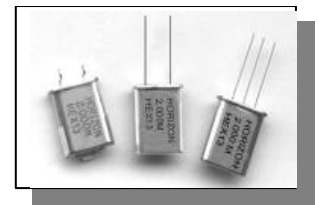




HEX13 - HC-49U

QUARTZ CRYSTALS UNIT
STANDARD PROFILE CRYSTALS
HC-49U- SMD CLIP & HC-49U-3



FEATURES

- Lower ESR than AT-Strip Crystals
- Wide Frequency Range
- High Precision Availability
- Communication & Microprocessor Crystals

ALTERNATIVE CODE:

- N for STD Package
- 3L for HC-49U -3 Lead Base
- S for HC-49U -SMD Clip

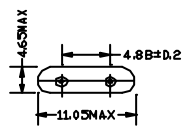
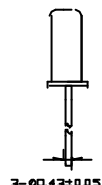
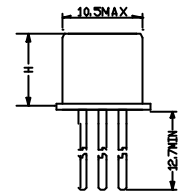
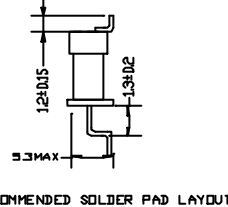
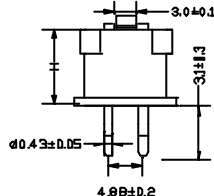
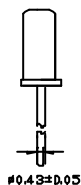
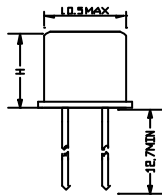
“ H & W ” Dimension Table		
	H	W
H1	13.46	13.2
H2	11.58	11.32
H3	9.83	9.57

PARAMETER	SPECIFICATION
Frequency Range	1.8432 ~ 160.000 MHz
Mode Of Oscillation	Fund 1.8432 ~ 45.000 MHz 3rd overtone 24.000 ~ 80.000 MHz 5th overtone 70.000 ~ 125.000 MHz 7th overtone 120.000 ~ 160.000 MHz
Operating Temperature	0 ~70 (See Options)
Storage Temperature	-40 ~ +85
Frequency Tolerance @ 25	± 10 ppm ~ ± 50 ppm (See Options)
Temperature Stability .	± 50ppm max (See Options) ± 100ppm max. @ -10 ~60 (FB)
Shunt Capacitance C_0	7.0pF max
Load Capacitance C_L	8pF~50pF or SR
Drive Level	100uW Typical (1mW max)
Aging @ 25 Per Year	± 3ppm~ ± 5ppm
Insulation Resistance	500M min.at 100VDC ± 15V

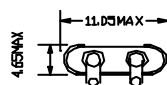
Equivalent Series Resistance(ESR) and Mode of Vibration(Mode)

Frequency Range(MHZ)	Max ESR(Ω)	Mode	Frequency Range(MHZ)	Max SR(Ω)	Mode
2.000 ~ 2.999	400	Fund	13.000 ~ 32.000	25	Fundamental
3.000 ~ 3.499	180	Fund	24.000 ~ 29.000	55	3 rd overtone
3.500 ~ 3.999	140	Fund	30.000 ~ 79.000	35	3 rd overtone
4.000 ~ 4.999	80	Fund	80.000 ~ 125.000	85	5 rd overtone
5.000 ~ 5.999	70	Fund	120.000 ~ 160.000	120	7 rd overtone
6.000 ~ 7.999	45	Fundl			

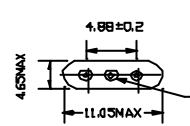
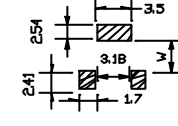
Dimensions : mm



HC-49U



HC-49U SMD-CLIP

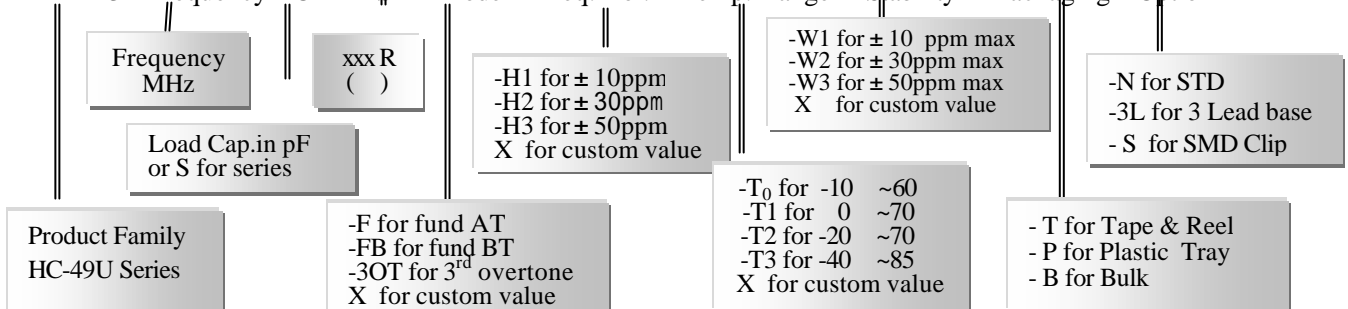


HC-49U-3

GROUND TO HEADER

PART NUMBERING - ORDERING OPTIONS:

HEX13 - Frequency - CL - ESR - Mode - Freq. Tol. - Temp. Range - Stability - Packaging - Option



Part Numbering Example : HEX13-3.579500MHz-18-180R-F-H2-T2 -W2-B-N

Http: // www. horizonxtal. com

E-mail: horizon @ public .cs. hn. cn / heinfo @ horizonxtal. com / sales@horizonxtal. com