

HC49US/US2 Series

Crystal AT-cut or BT-cut

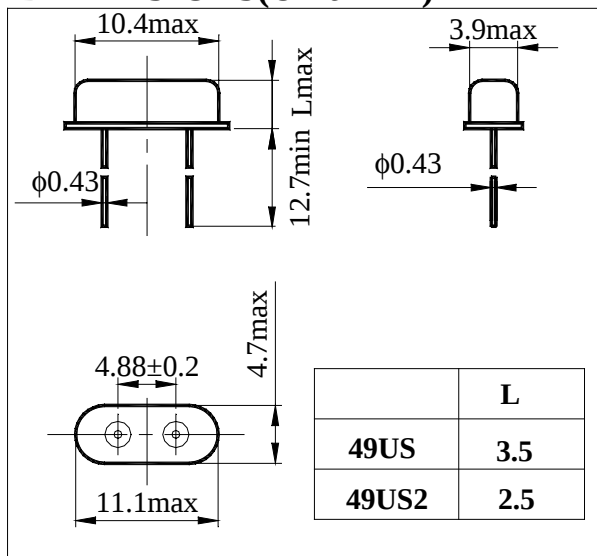
STANDARD SPECIFICATIONS

Frequency Range	3.2 MHz -70.0 MHz
Frequency Tolerance (@ 25 °C)	± 50 ppm Standard (see Appendix A for more details)
Crystal Cut	AT (Standard) or BT
Resonance	Parallel (18pF Standard or Series) (see Appendix A for more details)
Shunt Capacitance (Co)	7 pF max
Equivalent Series Resistance (Ω)	See Table
Frequency Stability over Operating Temperature	± 100 ppm Standard (see Appendix A for more details)
Drive Level	1 mW max
Aging	± 5 ppm max/ year
Operating Temperature. Range	0 °C ~+70 °C Standard (see Appendix A for more details)
Storage temperature Range	-40°C ~ +85°C

Maximum Standard Equivalent Series Resistance (Ω)

Frequency Range (MHz)	ESR (Ω)
Fundamental Mode	
3.200 ~ 3.500	300
3.500 ~ 4.000	200
4.000 ~ 5.000	150
5.000 ~ 6.000	120
6.000 ~ 7.000	100
7.000 ~ 9.000	80
9.000 ~ 13.000	60
13.000 ~ 20.000	40
20.000 ~ 30.000	30
Third Overtone Mode	
27.000 ~ 70.000	100

DIMENSIONS(Unit=mm)



Ordering Instructions (see Appendix A for more details)

Example: ILSI Part # = HC49US-BA1FI18-20.000

HC49US	±50ppm (@ 25°C)	±100ppm (Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.
	B	A	1	F	I	18pF	-20.000MHz

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Specifications subject to change without notice