

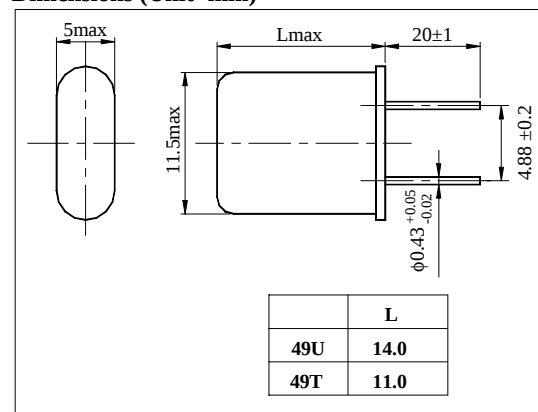
HC49U/T Series

Crystal AT-cut or BT-cut

STANDARD SPECIFICATIONS	
Frequency Range	1.800MHz-160.000MHz
Frequency Tolerance @ 25 °C	± 30 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 (C ₀)	7 pF max
Equivalent Series Resistance	See Table
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 Standard
Package	HC49U, HC49T

Maximum Standard Equivalent Series Resistance in (Ω)			
Frequency Range (MHz)	ESR(Ω)	Frequency Range (MHz)	ESR(Ω)
Fundamental wave		9.000~ 9.999	30
1.800~1.999	800	10.000 ~12.999	25
2.000~2.499	500	13.000~19.999	25
2.500~2.999	300	20.000~35.000	25
3.000~3.299	200	3rd overtone	
3.300~3.499	150	20.000~24.999	50
3.500~3.999	120	25.000~28.635	40
4.000~4.499	100	28.636~44.999	40
4.500~4.999	80	45.000~69.999	40
5.000~5.999	70	70.000~90.000	40
6.000~6.999	50	5th overtone	
7.000~7.999	40	50.000~69.999	60
8.000~8.999	30	70.000~160.000	100

Dimensions (Unit=mm)



Ordering Instructions (see Appendix A for more details)

Example: ILSI Part # = HC49U-FB1FI18-20.000

HC49U-	±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.
	F	B	1	F	I	18pF	-20.000MHz