

HC49USM/USM2 Series

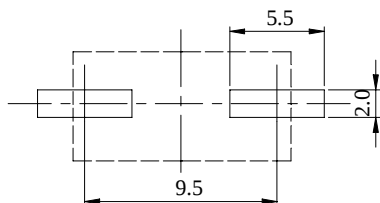
Crystal SMD, AT-cut or BT-cut

STANDARD SPECIFICATIONS

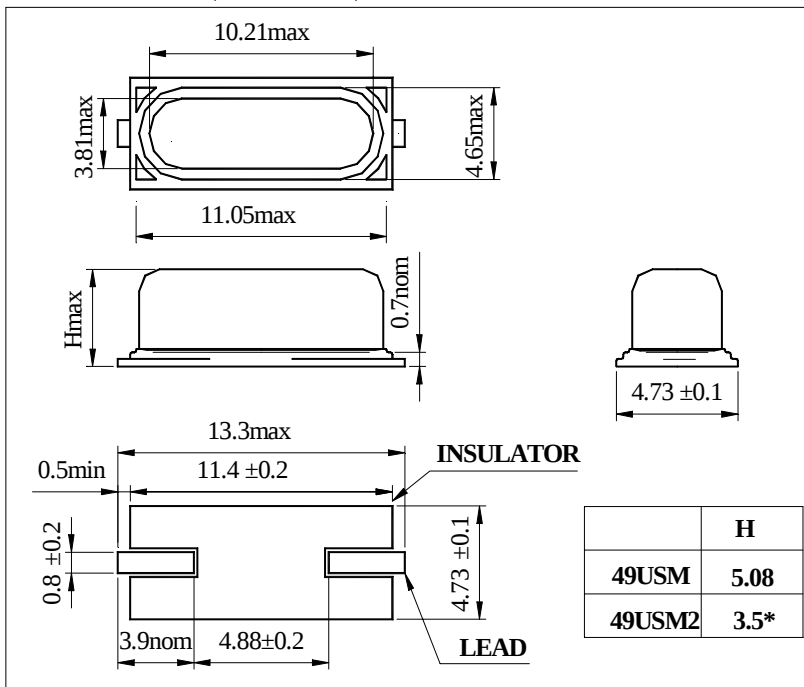
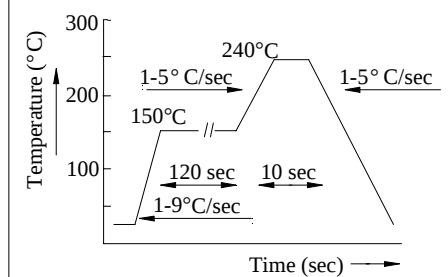
Frequency Range (MHz)	3.2~3.5	3.5~4.0	4.0~5.0	5.0~6.0	6.00~7.00	7.0~9.0	9.0~13.0	13.0~20.0	20.0~30.0	27.0~70.0
Frequency Tolerance (25°C)	± 50ppm Standard (see Appendix A for more details)									
Crystal Cut	At Cut (Standard) or BT Cut									
Load Capacitance (CL)	18pF Standard (see Appendix A for more details)									
Equivalent Series Resistance (Ω)	300	200	150	120	100	80	60	40	30	3 rd OT 100
Drive Level	1mW Max									
Aging	± 5 ppm max/ year									
Frequency Stability Over Temp.	±100ppm Standard (see Appendix A for more details)									
Operating Temperature Range	0 °C ~+70 °C Standard (see Appendix A for more details)									
Storage Temperature Range	-40 °C ~+85 °C Standard									
* note	HC49USM2 is only available above 6.0 MHz									

DIMENSIONS (Unit = mm)

PAD LAYOUT



Example for soldering conditions



Ordering Instructions (see Appendix A for more details)

Example: ILSI Part # = HC49USM-BA1FT18-20.000

HC49USM-	±50ppm(@ 25°)	±100ppm(Over Temp)	0°C ~ +70°C	Fundamental	Tape & Reel	Load Cap.	Freq.
	B	A	1	F	T	18pF.	-20.000MHz.