



HC49USM4 Series

Crystal SMD 4 pads 13×5×5mm

STANDARD SPECIFICATIONS

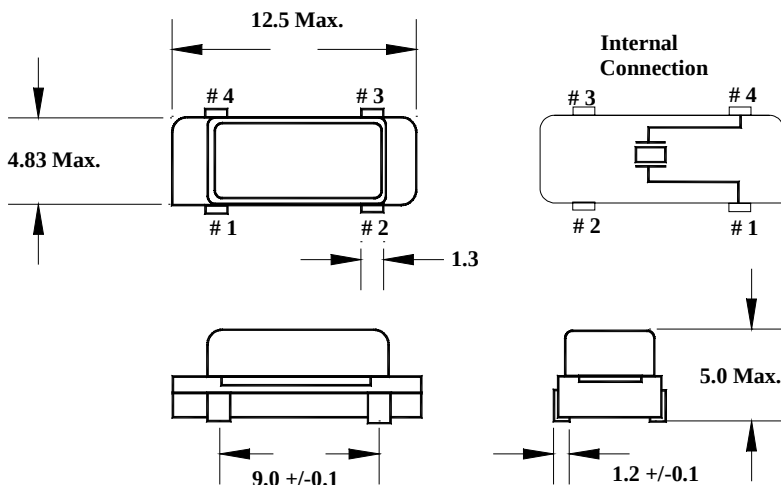
Frequency Range	3.500MHz ~ 70.00MHz	
Frequency Tolerance (25 °C)	± 50 ppm Standard (see Appendix A for more details)	
Load Capacity (CL)	18pF Standard (see Appendix A for more details)	
Shunt Capacity (Co)	7.0pF max	
Equivalent Series Resistance (E.S.R.)	See Table	
Insulation Resistance	500 MΩ min	
Aging (First Year)	± 5 ppm max	
Frequency Stability over Operating Temp.	± 100 ppm Standard (see Appendix A for more details)	
Drive Level	200μW(3.5MHz ~ 10MHz), 500μW(>10MHz)	
Operating Temperature Range	0°C ~+70°C Standard (see Appendix A for more details)	
Storage Temperature Range	-40 °C ~+85 °C	
Sealing	1×10 ⁻⁷ mbar/sec. max	
Shock Resistance	±5 ppm, Drop test 3 times on hard board from 75cm height.	
EQUIVALENT SERIES RESISTANCE (E.S.R.)	Frequency (MHz)	Max ESR (Ω)
	3.5~4.0	200
	4.0~6.0	150
	6.0~10.0	100
	10.0~30.0	50
	>30.0 (Fund.)	100

Ordering Instructions (see Appendix A for more details)

Example: ILSI Part # = HC49USM4-BA1F18-20.000

HC49USM4-	±50ppm(@ 25°C)	±100ppm(Over Temp)	(0°C~+70°C)	Fundamental	Load Cap.	Freq.
	B	A	1	F	18pF	-20.000MHz

UNIT DIMENSION: mm



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Specifications subject to change without notice