

Q49SM series

ROHS available

& Feature:

Compact unit for surface mount
Able to by means of a metal case and completely sealed high solution characteristics
Copes with high density mounting and is the optimum for mass production

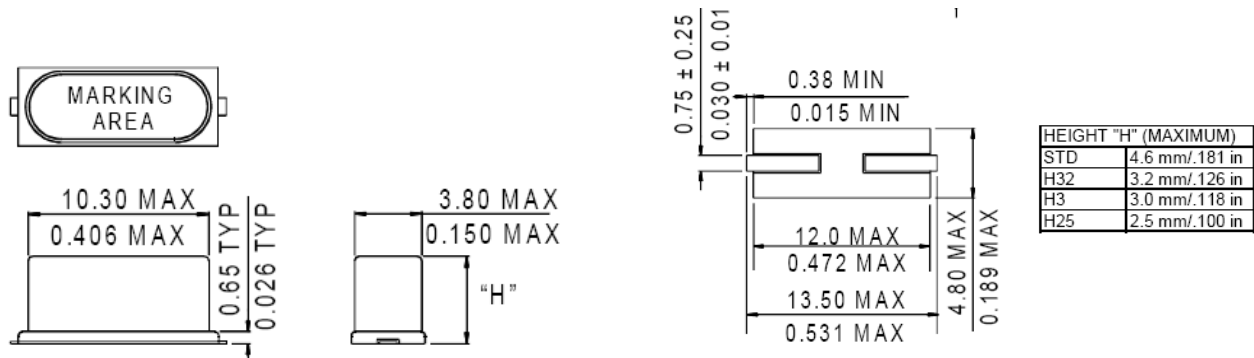
& Electrical Specifications

Frequency Range	3.200~100.00MHz
Oscillation mode	Fundamental, 3 rd , 5 th overtone
Operating temperature range	-10~+60℃, -20□~+70℃, -40~+85℃
Storage temperature range	-40~+125℃
Frequency tolerance	±10PPM, ±20PPM, ±30PPM at 25±2□
Freq. Temp characteristics	±50PPM -20□~+70□ Typical
Load capacitance	20pFor specify
Equivalent series resistance	See below table
Parallel capacitance (Co)	7PF Max
Drive level	100 μW
Insulation resistance	More than 500MΩ AT DC100V

& Frequency/ESR

Frequency range(MHz)	Max ESR (Ω)	Mode
3.200~5.999	150	Fund
6.000~7.999	60	Fund
8.000~15.999	50	Fund
16.00~40.000	30	Fund
24.000~29.999	100	3 rd
30.000~49.999	30	3 rd
27.000~29.999	50	3 rd
30.000~49.999	80	3 rd
50.000~100.000	60	3 rd

& Dimension:



Part number:

Q49SM	12.000	20	50	40	A	50
Model type: HC-49/SMD	Frequency 12.000: 12.000MHz	Load capacitance. 20: 20pF	Frequency tolerance: 50:±50ppm 25:±25ppm	ESR: 40:40Ω	Temperature range: A:-10~+70 deg C B:-20~+70 deg C C:-40~+85 deg C	Frequency stability: 50:±50ppm 25:±25ppm

F	T/R
Oscillate mode F: Fundamental 3: 3 rd overtone 5: 5 th overtone	Blank: bulk T/R: tape/reel