

FEATURE

- Height 4.0mm, or 3.0mm, 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



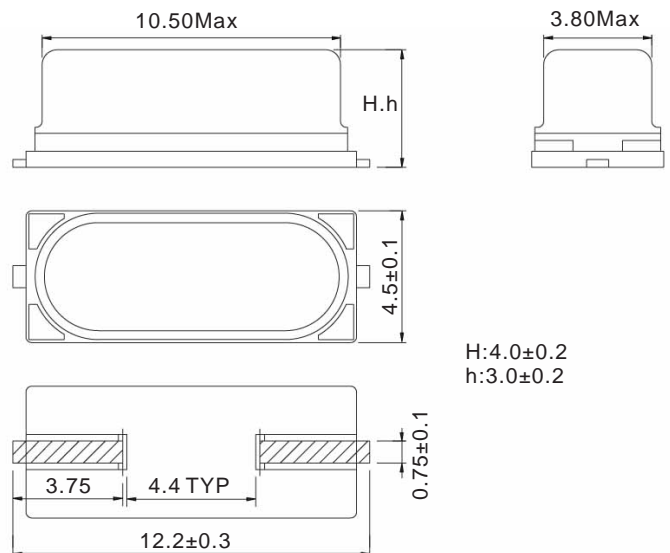
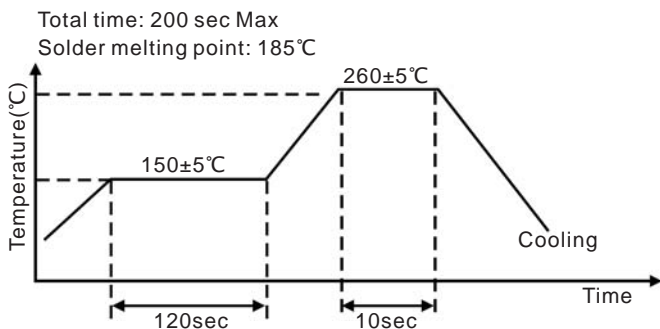
ELECTRICAL SPECIFICATIONS

Frequency Range	3.200MHz to 130.000MHz
Frequency Tolerance	±10ppm to ±100ppm @ 25±2°C
Frequency Stability	±10ppm to ±100ppm
Load Capacitance	Series, 18pF, 20pF, or specify
Equivalent Series Resistance	See below table
Operating Temperature Range	-20°C to +70°C (typical), -10°C to +60°C, -40°C to +85°C, or specify
Storage Temperature Range	-40°C to +85°C / -55°C to +125°C
Aging	±5ppm / year Max @ 25±2°C
Parallel Capacitance(Co)	7pF Max
Drive Level	100 µW typical
Insulation Resistance	More than 500MΩ at DC100V

EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

Frequency(MHz)	E.S.R.(Ω)	Mode	Frequency(MHz)	E.S.R.(Ω)	Mode
3.200~3.570	250Max	Fundamental	10.000~13.999	50Max	Fundamental
3.579~3.999	150Max	Fundamental	14.000~40.000	40Max	Fundamental
4.000~4.999	120Max	Fundamental	24.000~35.000	100Max	3rd Overtone
5.000~5.999	100Max	Fundamental	35.000~130.000	80Max	3rd Overtone
6.000~6.999	80Max	Fundamental			
7.000~9.999	60Max	Fundamental			

DIMENSIONS AND REFLOW CONDITION



PART NUMBER

GMK-HC-49SSMD-	8.000	20	30	B	30	60	H
	Frequency 8.000 8.000MHz	Load Cap. 20:20pF 00:Series	Frequency Tolerance 30:±30ppm	Operating Temperature A:-10~60°C B:-20~70°C C:-40~85°C	Frequency Stability 30:±30ppm	E.S.R. Max 60:60Ω	H:Normal (4.0mm) h:Low (3.0mm)