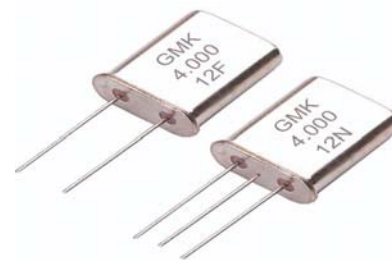


## FEATURE

- Height 13.46mm
- A resistance weld completely sealed type
- The tight frequency stability
- Copes with high density mounting and is the optimum for mass production



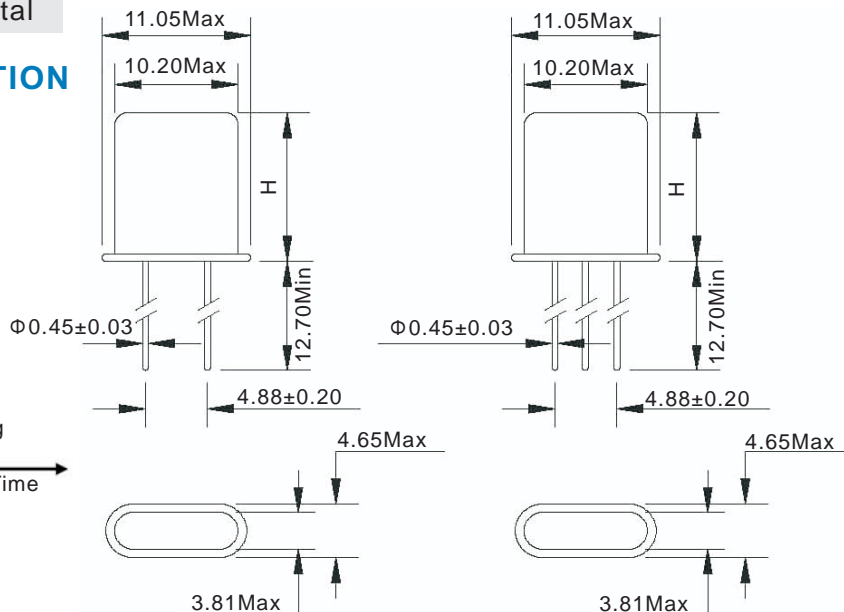
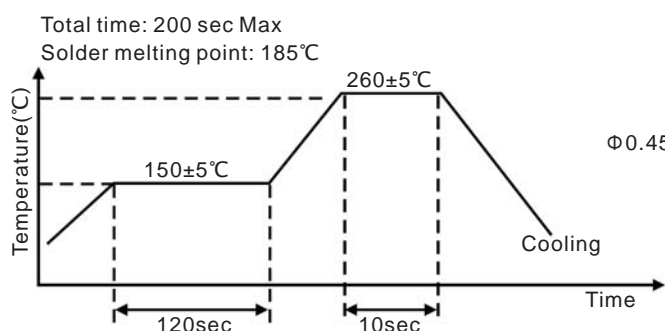
## ELECTRICAL SPECIFICATIONS

Frequency Range	1.5360MHz to 130.000MHz
Frequency Tolerance	±10ppm to ±100ppm @ 25±2°C
Frequency Stability	±10ppm to ±100ppm
Load Capacitance	Series, 16pF, 18pF, 20pF, 30pF, 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
1.5360~1.999	500Max	Fundamental	5.000~7.999	60Max	Fundamental
2.000~2.4560	450Max	Fundamental	8.000~9.999	30Max	Fundamental
2.4570~2.999	350Max	Fundamental	10.000~50.000	25Max	Fundamental
3.000~3.999	90Max	Fundamental	24.000~130.000	40Max	3rd Overtone
4.000~4.999	70Max	Fundamental			

## DIMENSIONS AND REFLOW CONDITION



HC-49U: H=13.46mm MAX  
HC-49T: H=10.35mm MAX

HC-49U-3: H=13.46mm MAX  
HC-49T-3: H=10.35mm MAX

## PART NUMBER

GMK-HC-49U-	8.000	20	30	A	30	30
HC-49T-						
HC-49U-3-	Frequency	Load Cap.	Frequency	Operating	Frequency	E.S.R. Max
HC-49T-3-	8.000	20:20pF	Tolerance	Temp	Stability	30:30Ω
	8.000MHz	00:Series	30:±30ppm	A: -10~60°C	30:±30ppm	
				B: -20~70°C		
				C: -40~85°C		