



Surface Mount Package For Tuning Fork 32.768KHz

FEATURE

- Wide Frequency range
- Small size
- Tape & Reel
- Designed for Microprocessor Systems and Consumer Electronics

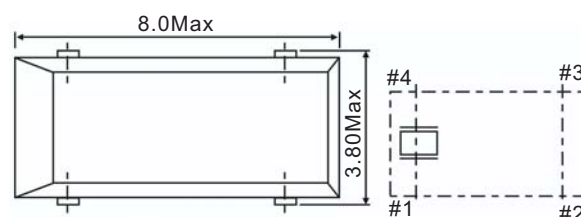


ELECTRICAL SPECIFICATIONS

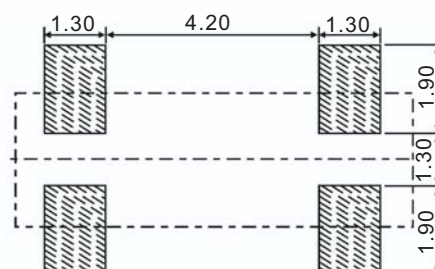
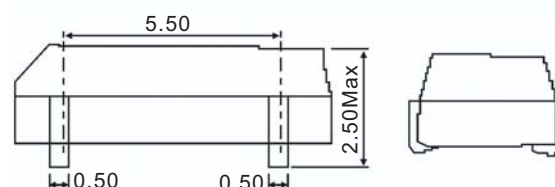
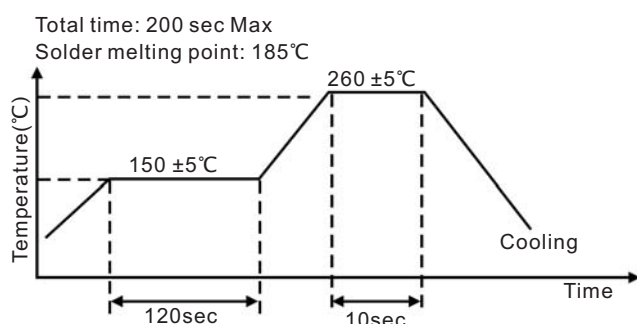
Frequency	30.000KHz ~200.000KHz
Frequency Tolerance(at 25°C)	±10ppm to ±100ppm
Temperature Coefficient	-0.035±0.01ppm/°C ²
Load Capacitance(C _L)	12.5pF Typical
Equivalent Series Resistance	See Below Table
Turnover Temperature	25±5°C
Operating Temperature Range	-10°C ~ +60°C to -40°C ~ +85°C
Storage Temperature Range	-40°C ~ +85°C
Shunt Capacitance(C ₀)	1.35pF Typical
Dynamic Capacitance(C ₁)	0.003pF Typical
Drive Level(Typical)	1 μW Max
Insulation Resistance	500MΩ Min at DC100V±15V
Aging @25°C 1 st year (Max)	±5ppm/year

EQUIVALENT SERIES RESISTANCE(ESR)

Frequency(MHz)	E.S.R(Ω)	Frequency(MHz)	E.S.R(Ω)
30.000~39.999	40K Max	70.000~99.999	22K Max
40.000~59.999	30K Max	100.000~200.000	20K Max
60.000~69.999	25K Max		



DIMENSIONS AND REFLOW SOLDERING PROFILE



PART NUMBER

GMK-308C-	32.768	12.5	20	B	40
	Frequency 32.768 32.768KHz	Load Cap. 12.5: 12.5pF 00:Series	Frequency Tolerance 20:±20ppm	Operating Temperature A:-10~60°C B:-20~70°C C:-40~85°C	E.S.R. Max 40:40KΩ