



Tuning Fork Crystal 3x8

FEATURE

- Wide Frequency range
- High shock tolerance
- Small size
- Reliable frequency stability

APPLICATIONS

- Microprocessor Systems
- Consumer Electronics
- Instrumentation
- Automotive electronics



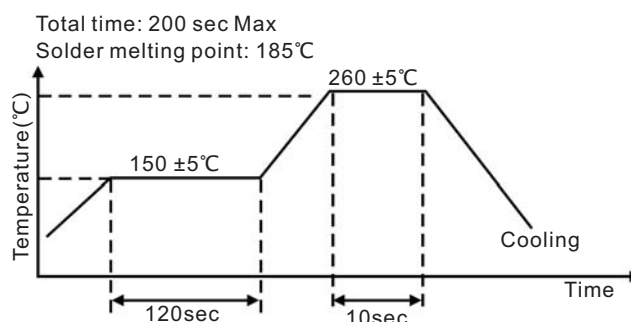
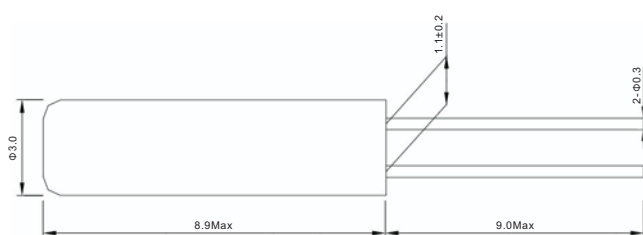
ELECTRICAL SPECIFICATIONS

Frequency	30.000KHz ~100.000KHz
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)	1.75pF Typical
Dynamic Capacitance(C ₁)	0.0035pF Typical
Drive Level(Typical)	1 μW Max
Insulation Resistance	500M Ω 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	40.000~100.000	30K Max

DIMENSIONS AND REFLOW SOLDERING PROFILE



PART NUMBER

GMK-DT-38-	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