

Tuning Fork Quartz Crystals

G1 G2



G1



G2

8.0 x 3.0mm & 6.0 x 2.0mm Tubular Tuning Fork Crystals

Product Features

- Industry standard package
- Rugged, resistant to shock and vibration
- Excellent resistance to heat shock and environmental conditions
- Pb-free (G1 Series) and RoHS/Green Compliant

Product Description

The G1 & G2 tuning fork type quartz crystals provide reliable, stable, and accurate 32.768 kHz reference. The tuning fork crystals are available in two package sizes for real-time or low power applications.

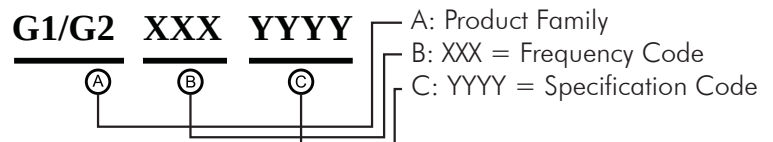
Applications

- Real-time clocks
- Reference for microprocessors' low power and standby modes.

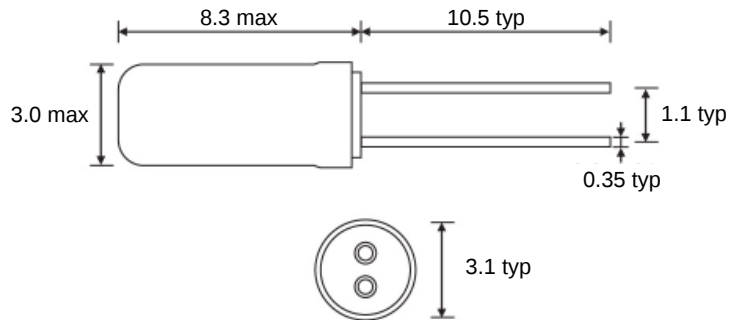
Electrical Specification:

		G1	G2
Nominal Frequency	f	32.768 kHz	
Frequency Tolerance at 25°C		±20ppm	
Turnover Temperature	T ₀	25°C±5°C	
Temperature Characteristic	K	-0.035ppm/°C ² Typical Frequency deviation at temperature T ($\Delta f/f = K(T_0 - T)^2$)	
Load Capacitance	C _L	12.5pF standard	
Series Resistance	R _S	35KΩ max	40KΩ max
Shunt Capacitance	C ₀	1.8pF Typ	1.5pF Typ
Drive Level	DL	1μW max	
Aging		±5.0ppm Max	
Operating Temperature Range		-10 to +60°C	
Storage Temperature Range		-40 to +85°C	

Part Ordering Information:

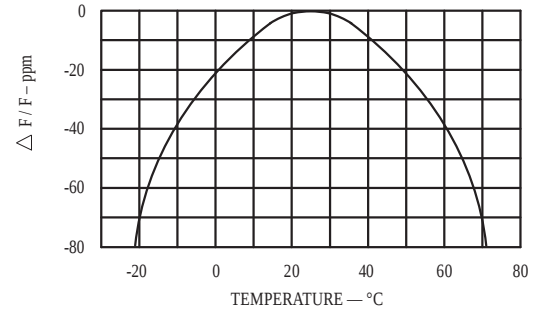


Mechanical Drawings: G1 Series

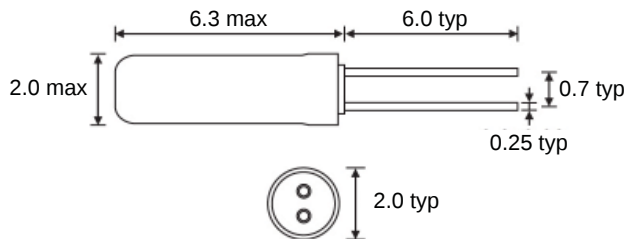


UNIT: mm

Typical Temperature Characteristic:



Mechanical Drawings: G2 Series



UNIT: mm