

WATCH CRYSTALS 32.768kHz

ISSUE 9; 12 JUNE 1998

Delivery Options

- Product available from stock. Please see p4 for details

Holder Style

- Watch crystals are press sealed. Two sizes are available: 3.0 × 8.2mm & 2.0 × 6.2mm

General Specifications

- Load Capacitance (C_L): 6pF to 15pF
- Drive Level: 1.0μW max.
- Static Capacitance (C₀): 1.6pF typical

Standard Frequency Tolerances and Stabilities

- ±20ppm, ±30ppm, ±50ppm, ±100ppm

Operating Temperature Ranges

- 0 to 50°C -20 to 70°C
- 10 to 60°C -30 to 80°C

Storage Temperature Range

- 55 to 125°C

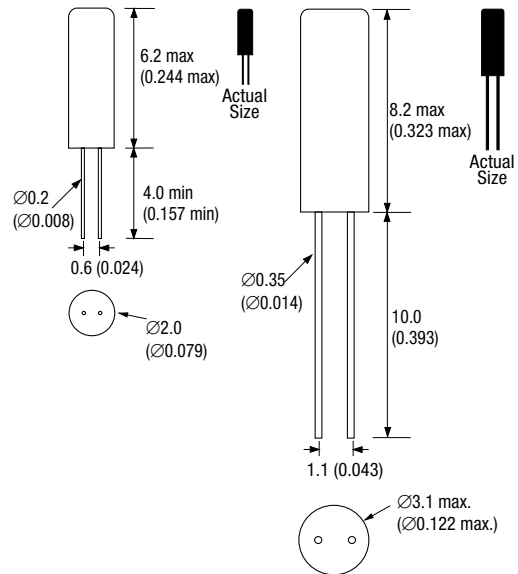
Marking

- Frequency (3.0 × 8.2mm only; 2.0 × 6.2mm product is unmarked)

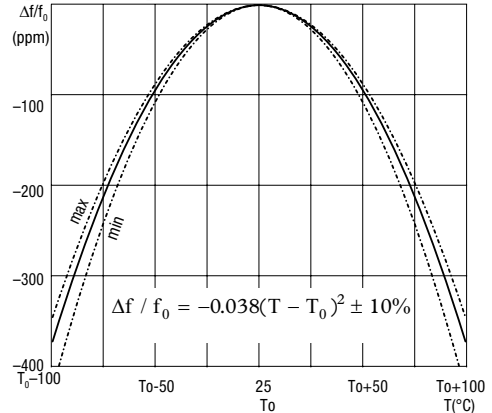
Minimum Order Information Required

- Frequency + Holder + Frequency Tolerance @ 25°C + Operating Temperature Range + Circuit Condition

Outline in mm (inches) - (scale 3:1)



Frequency Temperature Curve



Electrical Specification - maximum limiting values

Frequency Range	Frequency Tolerance @ 25°C ±2°C	Operating Temperature Range	Frequency Stability Available Over Operating Temperature		ESR Max	Vibration Mode
			Minimum	Maximum		
32.768kHz	±10ppm to ±100ppm	0 to 50°C	-25ppm	-100ppm	50kΩ	Fundamental
		-10 to 60°C	-50ppm	-100ppm		
		-20 to 70°C	-85ppm	-100ppm		
		-30 to 80°C	-150ppm	-300ppm		