Cylindrical Tuning Fork Crystal

8.3 x 3.0mm & 6.3 x 2.0mm

Cylindrical tuning fork crystals are crystal resonators used in applications with little or limited space on the PC board. Used primarily for clock timing in communications equipment, measuring instrumentation, microcomputer control and other time management applications. Frequencies are available from 30kHz to 200kHz with a typical frequency of 32.768 kHz, optimum for OA and AV application.

Features

- Ultraminiature size
- 30kHz to 200kHz
- Low Cost
- Industry Standard
- Reflow soldering

Specifications:

Crystal Holder	8.3x3.0mm & 6.3x2.0mm
Frequency Range	30.000kHz – 200.000kHz
Frequency Tolerance	±20ppm
Frequency Stability	-0.045ppm/$^{o}C^{2}$
Operating Temperature Range	-10º to +60ºC.
Load Capacitance	6pF, 12.5pF or customer specified
Shunt Capacitance	2.0pF max.
Aging	±5ppm/ 1st year max.
Drive Level	100uW max.
Storage Temperature	-40º to +85ºC.

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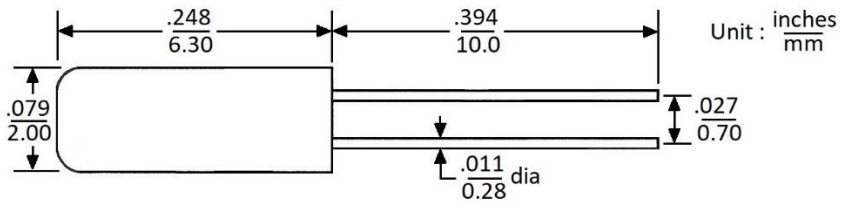
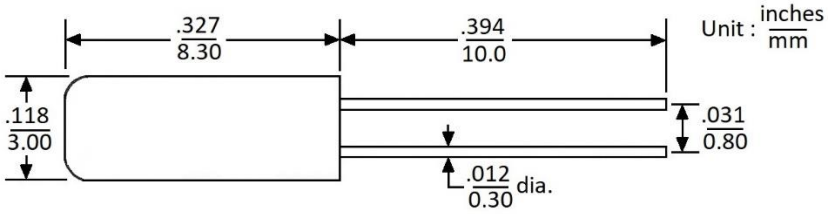
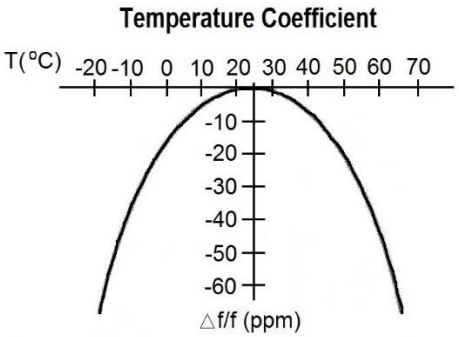
BC54



BC55





Part Numbering **Sample BC54CCD112.5-32.768kHz**

Series	Tolerance @ 25°C.	Stability over Temp. Range	Temperature Range	Mode	Load Capacitance	Frequency (kHz/MHz)
BC54(6.3x2.0mm)	C = 20ppm	See Graph	A = 0° to +70°C.	1	Actual	Actual
BC55(8.3x3.0mm)	E = 30ppm	Above	D = -20° to +70°C.		Load or	Frequency
	F = 50ppm		I = -40° to +85°C.		Series	

Call us for additional options

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