

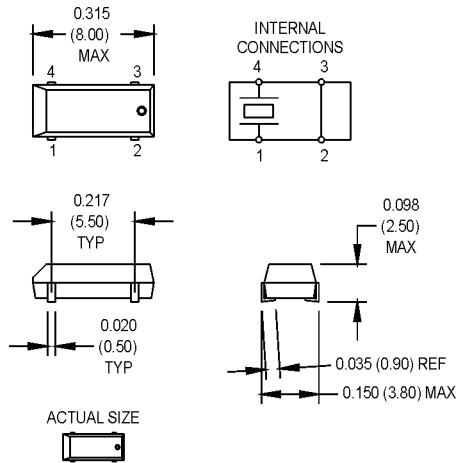
# SX1555 Series

3.8x8.0x2.5 mm - 32.768 kHz, Surface Mount Crystals

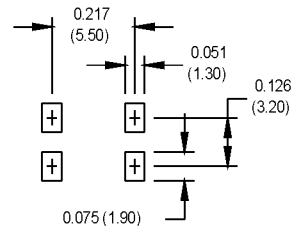


**SX1555 00.0000 MHz** (customer specified frequency)

**SX1555-R 00.0000 MHz** (RoHS Compliant and customer specified frequency)



SUGGESTED SOLDER PAD LAYOUT



All dimensions  
in inches (mm).

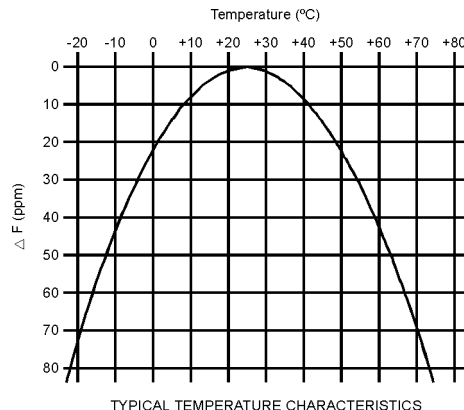
## Electrical/Environmental Specifications

PARAMETERS	VALUE
Frequency Range	32.768 kHz
Tolerance @ +25°C	±30 ppm
Aging	±3 ppm/yr. Max.
Shunt Capacitance	1.35 pF Typical
Load Capacitance	12.5 pF Typical
Standard Operating Conditions	See Table 1
Storage Temperature	-55°C to +125°C
Equivalent Series Resistance (ESR), Max.	50K $\Omega$
Resonance	Parallel
Quality Factor	50,000 Min.
Turnover Temperature	+24°C $\pm$ 4°C
Parabolic Curvature Constant	-0.034 ppm/°C <sup>2</sup> , Typical
Drive Level	1.0 $\mu$ W Max.
Solder Conditions <sup>1</sup>	240°C for 10 seconds max.
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Solder Conditions	See "Figure 2" on page 147
Thermal Cycle	MIL-STD-883, Method 1010, B

Contact the factory for specifications not listed.

Use MtronPTI part number **5011-004** for  $\pm 20$  ppm tolerance.

**Table 1**



MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

Please see [www.mtronpti.com](http://www.mtronpti.com) for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.