

## SX2060 Series

4.6 x 12.5 x 3.7 mm, Surface Mount Crystals

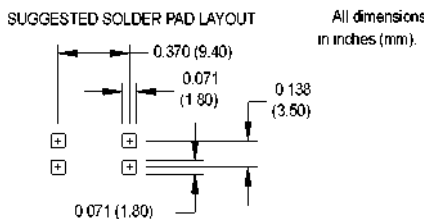
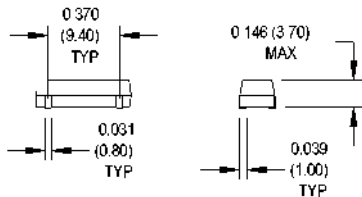
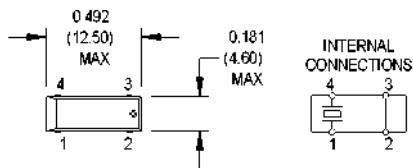


### High Frequency Surface Mount Crystal

The SX2060 is a small molded plastic surface mount crystal that is well suited for high-density circuit boards. It is available in standard tape and reel format for use with automatic pick and place equipment. The SX2060 utilizes the latest AT-strip technology, allowing for a small package size and footprint.

The SX2060 can be used in telecommunications, wireless, computer and peripheral equipment applications where size and reliability are critical factors.

**\*SX2060-R 00.0000 MHz** (RoHS Compliant and customer specified frequency)



Electrical Specifications	PARAMETERS	VALUE
	Frequency Range <sup>1</sup>	3.500 to 70.000 MHz
	Tolerance @ +25°C	±30 ppm
	Stability	±50 ppm
	Aging	±5 ppm/yr. Max.
	Shunt Capacitance	7 pF Max.
	Load Capacitance	18 pF Std.
	Standard Operating Conditions	-10°C to +60°C
	Storage Temperature	-55°C to +125°C
	Equivalent Series Resistance (ESR), Max.	
	Fundamental (AT-cut)	
	3.500 to 3.999 MHz	200 Ω
	4.000 to 5.999 MHz	150 Ω
	6.000 to 9.999 MHz	100 Ω
Environmental	10.000 to 30.000 MHz	50 Ω
	Third Overtones (AT-cut)	
	30.000 to 35.999 MHz	100 Ω
	36.000 to 70.000 MHz	80 Ω
	Drive Level	100 μW Max.
	Mechanical Shock	MIL-STD-202, Method 213, C
	Vibration	MIL-STD-202, Method 201 & 204
	Thermal Cycle	MIL-STD-883, Method 1010, B

\* Series resonant designated by "SR" prefix (i.e., SRSX2060).

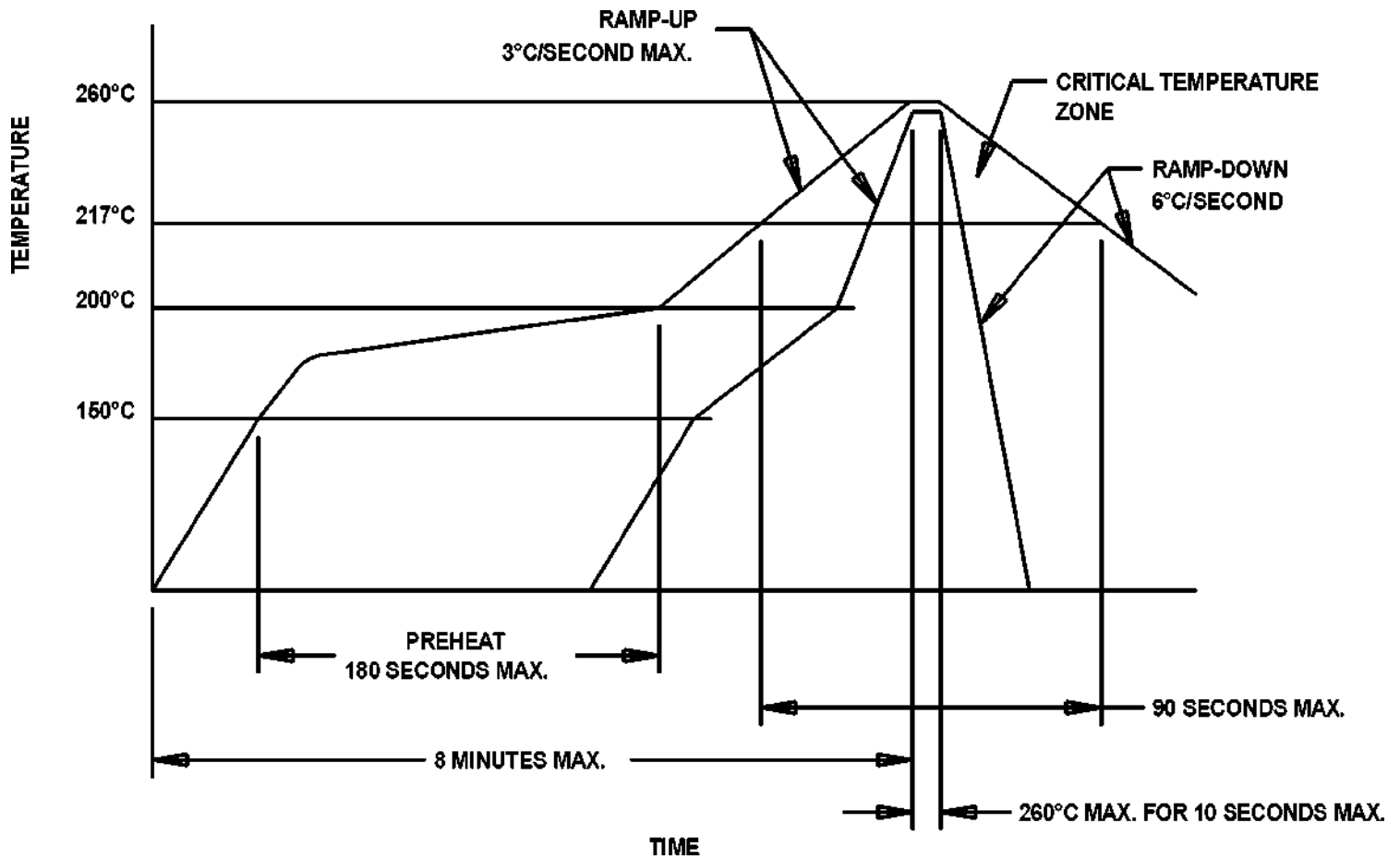
<sup>1</sup> Because this product is based on AT-strip technology, not all frequencies in the range stated are available. Contact the factory for availability of specific frequencies.

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.

Revision: 03-01-07

## MtronPTI Lead Free Solder Profile



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