

# SX2060 Series

## 4.6 x 12.5 x 3.7 mm, Surface Mount Crystals



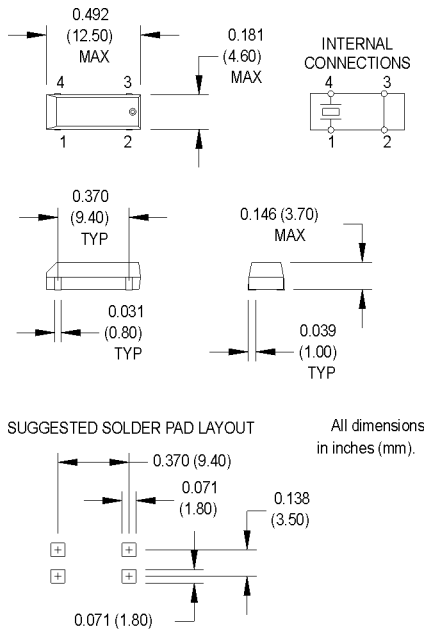
### High Frequency Surface Mount Crystal

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 00.0000 MHz** (customer specified frequency)

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



	PARAMETERS	VALUE	
Electrical Specifications	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	
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		
Environmental	Drive Level	100 μW 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	

\* 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.