

SX2060 Series

4.6 x 12.5 x 3.7 mm, Surface Mount Crystals



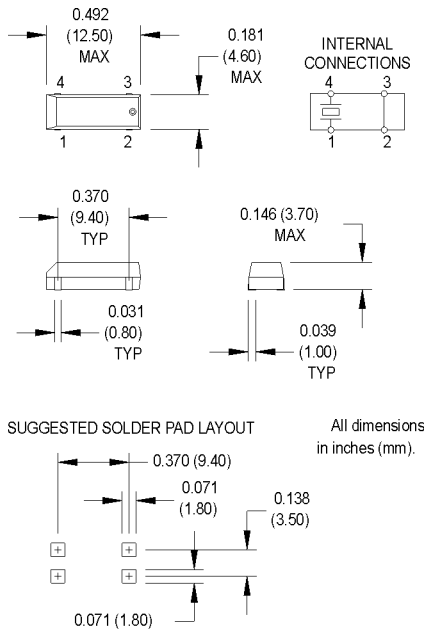
High Frequency Surface Mount Crystal

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 ¹	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).

¹ 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.