

SX2060 Surface Mount Crystals

4.6 x 12.5 x 3.7 mm

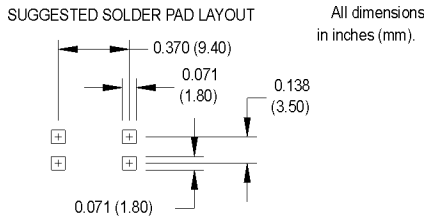
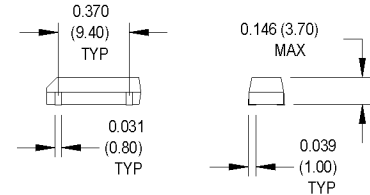
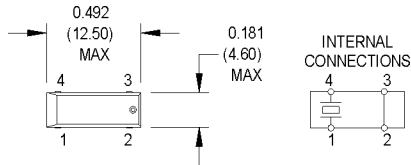


High Frequency Surface Mount Crystal

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)



Electrical/Environmental Specifications

PARAMETERS	VALUE
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
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.

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