

SX2050 Surface Mount Crystals

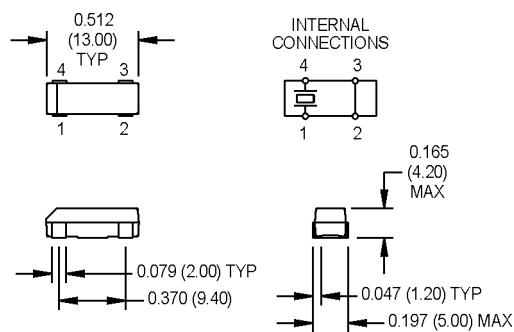
5.0 X 13.0 X 4.2 mm



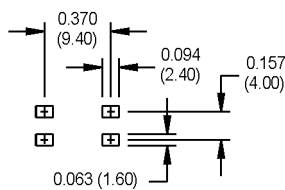
Features:

- Thermoplastic Package Design
- Cost Effective
- Available on Tape & Reel (EIA-RS481, 24mm)
- Compatible With Common Solder Reflow Processes
- Wide Frequency Range

*SX2050 00.0000 MHz (customer specified)



SUGGESTED SOLDER PAD LAYOUT



All dimensions
in inches (mm)

Electrical Specifications

PARAMETERS	VALUE
Frequency Range ¹	3.579545 to 60.000 MHz
Tolerance @ +25°C	±50 ppm
Stability	±100 ppm
Aging	±5 ppm/yr. Max.
Shunt Capacitance	5 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	-20°C to +70°C
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
3.579 to 3.999 MHz	200 Ω
4.000 to 4.499 MHz	150 Ω
4.500 to 4.999 MHz	120 Ω
5.000 to 6.999 MHz	100 Ω
7.000 to 8.999 MHz	80 Ω
9.000 to 9.999 MHz	60 Ω
10.000 to 12.999 MHz	50 Ω
13.000 to 18.999 MHz	35 Ω
19.000 to 30.000 MHz	25 Ω
Fundamental (BT-cut)	
30.000 to 40.000 MHz	30 Ω
Third Overtones (AT-cut)	
36.000 to 60.000 MHz	80 Ω
Drive Level	500 μW Max.

* Series resonant designated by "SR" prefix (i.e., SRSX2050).

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.

See page 136, Figure "2" for suggested solder profile.

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