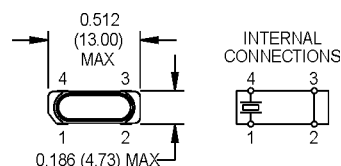


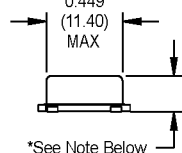
# PTX Surface Mount Crystals

## Features:

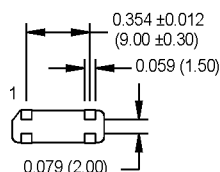
- Wide range of stability and temperature options
- Footprint compatible with many plastic package crystals
- 4-pad design minimizes co-planarity problem



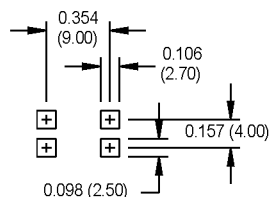
All dimensions in inches (mm)



\*See Note Below



## SUGGESTED SOLDER PAD LAYOUT



\* =0.201 (5.10) Max <20.000 MHz

\* =0.181 (4.60) Max >20.000 MHz

## Ordering Information

Product Series	*PTX-	1	M	M	00.0000 MHz	Customer Specified Frequency
Temperature Range		1: 0°C to +70°C	2: -40°C to +85°C	3: -10°C to +60°C	6: -20°C to +70°C	
Stability		J: ±30 ppm	M: ±50 ppm	P: ±100 ppm		
Tolerance		D: ±10 ppm	F: ±15 ppm	J: ±30 ppm	M: ±50 ppm	P: ±100 ppm

\*Prefix "SR" should be used for series resonant; i.e., SRPTX-1MM 20.0000 Mhz

## Electrical Specifications

PARAMETERS	VALUE
Frequency Range*	3.579 to 60.000 MHz
Tolerance @ +25°C	See Table Above
Stability	See Table Above
Aging	±5 ppm/yr. Max.
Standard Operating Conditions	See Table Above
Storage Temperature	-55°C to +105°C
Shunt Capacitance	7 pF Max.
Load Capacitance	18 pF Std.
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT cut)	
3.579 to 3.999 MHz	180 Ω
4.000 to 4.999 MHz	150 Ω
5.000 to 6.999 MHz	100 Ω
7.000 to 14.999 MHz	50 Ω
15.000 to 23.999 MHz	40 Ω
24.000 to 36.000 MHz	30 Ω
Fundamental (BT cut)	
25.000 to 40.000 Mhz	100 Ω
Third Overtones (AT cut)	
30.000 to 60.000 Mhz	30 Ω
Drive Level	100 μW Max.
Holder	HC-49/US-SMD

\* 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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