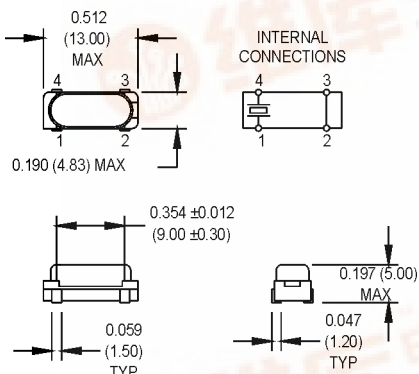




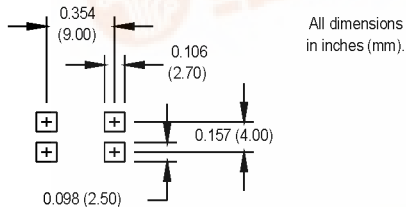
PTX Surface Mount Crystals



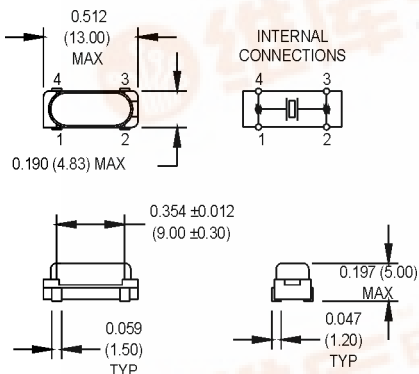
Package A



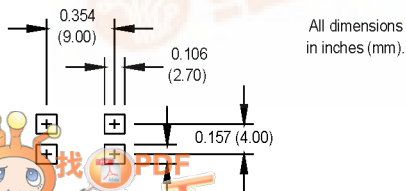
SUGGESTED SOLDER PAD LAYOUT



Package B



SUGGESTED SOLDER PAD LAYOUT



Ordering Information

PTX	A	1	M	M	XX	00.0000 MHz
Product Series						
Package						
"A" or "B"						
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						
Tolerance						
D: ±10 ppm						
F: ±15 ppm						
G: ±20 ppm						
J: ±30 ppm						
M: ±50 ppm						
P: ±100 ppm						
Stability						
F: ±15 ppm						
G: ±20 ppm						
H: ±25 ppm						
J: ±30 ppm						
M: ±50 ppm						
P: ±100 ppm						
*Load Capacitance						
Blank: 18 pF (std)						
S: Series Resonant						
XX: Customer Specified 10 pF to 32 pF						
Frequency (customer specified)						

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

PARAMETERS	VALUE
Frequency Range*	3.579 to 72.000 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 40.000 MHz	30 Ω
Third Overtones (AT cut)	
40.000 to 72.000 MHz	80 Ω
Drive Level	100 μW Max.
Holder	HC-49/US-SMD
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Thermal Cycle	MIL-STD-883, Method 1010, B

* 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.



MtronPTI Lead Free Solder Profile

