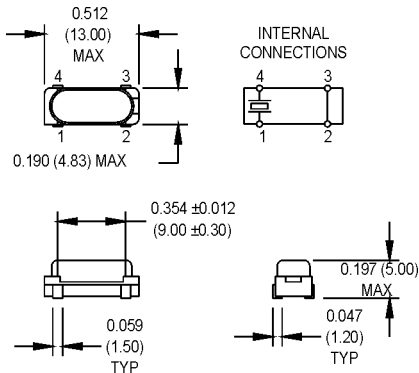


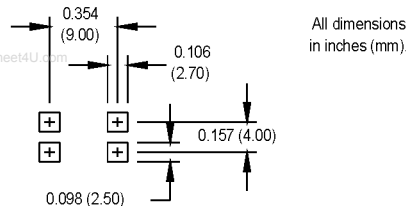
PTX Surface Mount Crystals



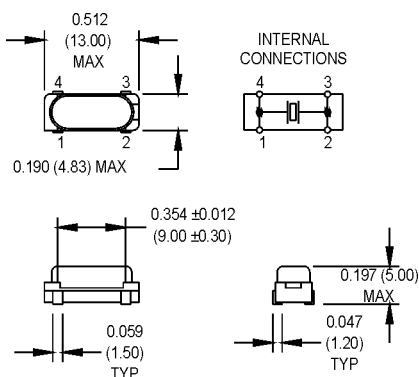
Package A



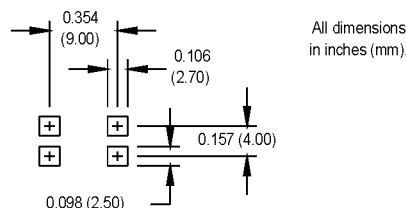
SUGGESTED SOLDER PAD LAYOUT



Package B



SUGGESTED SOLDER PAD LAYOUT



Ordering Information

Product Series	PTX
Package	A
"A" or "B"	1
Temperature Range	M
Tolerance	M
Stability	XX
*Load Capacitance	00.0000
Frequency (customer specified)	MHz

1: 0°C to +70°C 2: -40°C to +85°C
3: -10°C to +60°C 6: -20°C to +70°C

D: ±10 ppm F: ±15 ppm
G: ±20 ppm J: ±30 ppm
M: ±50 ppm P: ±100 ppm

F: ±15 ppm G: ±20 ppm
H: ±25 ppm J: ±30 ppm
M: ±50 ppm P: ±100 ppm

Blank: 18 pF (std)
S: Series Resonant
XX: Customer Specified 10 pF to 32 pF

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

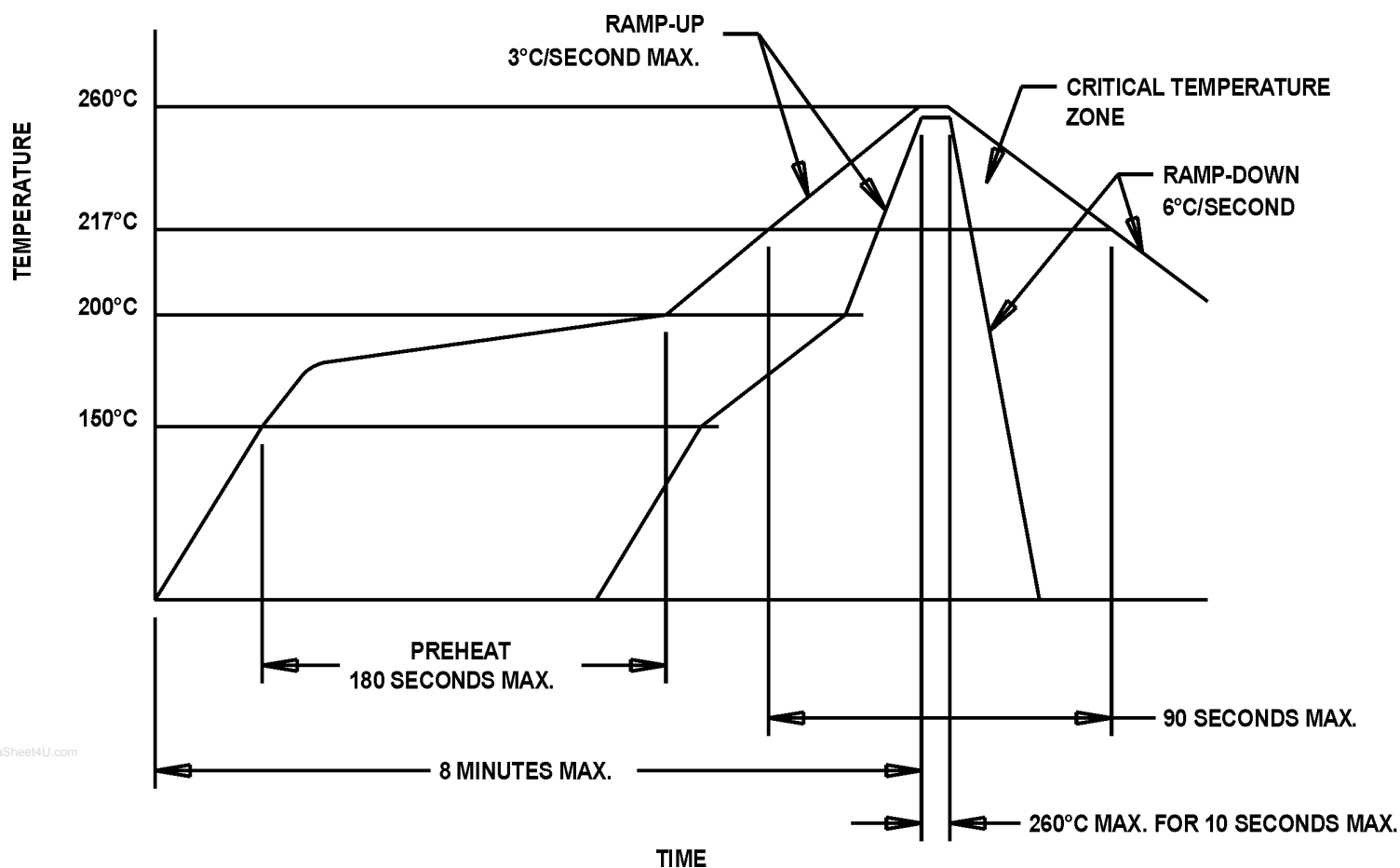
* Because this product is based on AT-Strip technology, not all frequencies in the range stated are available. Contact the factory for availability of specific frequencies.

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Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800
www.DataSheet4U.com

Revision: 03-01-07

MtronPTI Lead Free Solder Profile



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