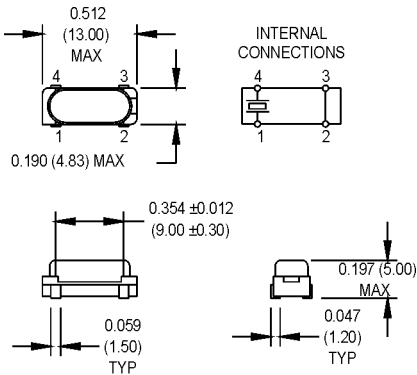


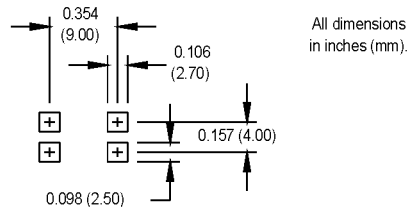
PTX Surface Mount Crystals



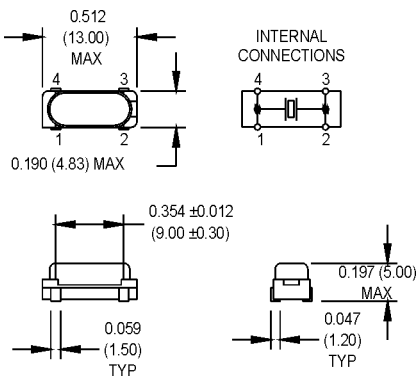
Package A



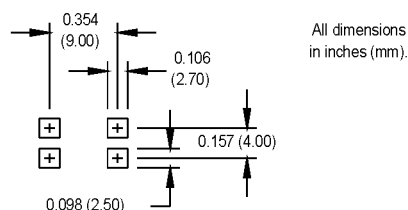
SUGGESTED SOLDER PAD LAYOUT



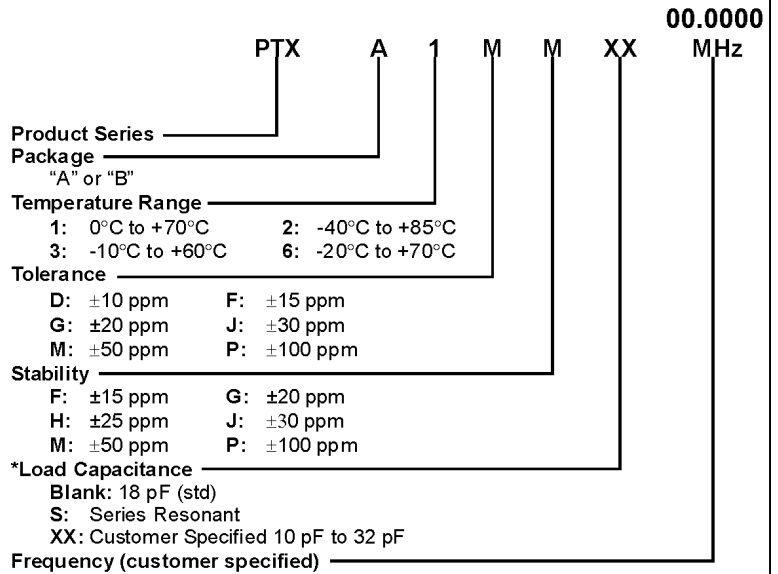
Package B



SUGGESTED SOLDER PAD LAYOUT



Ordering Information



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 |
| Solder Conditions ¹ | 230°C for 10 seconds max. |
| 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.

¹ See figure #1

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

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