

PJ Surface Mount Crystals

5.5 x 11.7 x 2.2 mm



Ordering Information

Product Series: **PJ** | **1** | **P** | **P** | **XX** | **MHz**

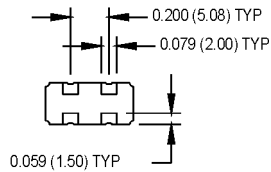
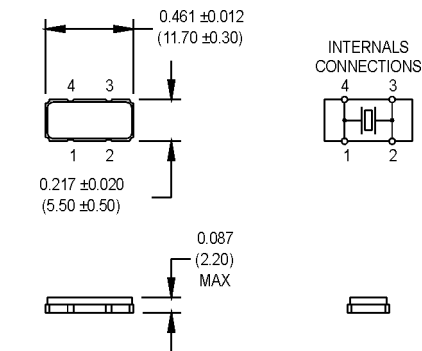
Temperature Range:
1: -10°C to +70°C **2:** -40°C to +85°C
3: -10°C to +60°C **6:** -20°C to +70°C

Tolerance:
J: ±30 ppm **M:** ±50 ppm
P: ±100 ppm

Stability:
J: ±30 ppm **M:** ±50 ppm
P: ±100 ppm

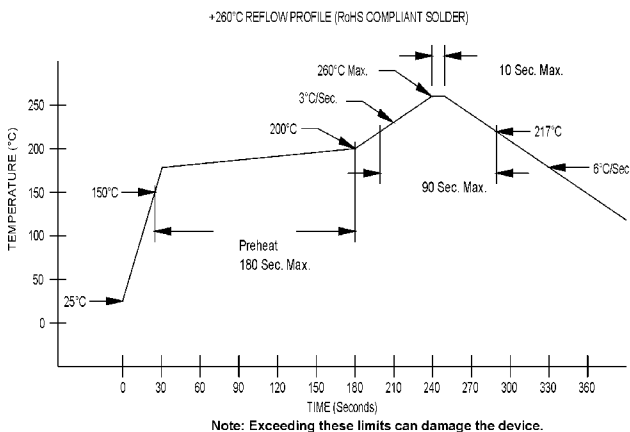
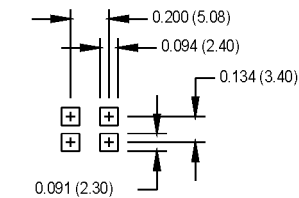
Load Capacitance:
Blank: 18 pF (std)
S: Series Resonant
XX: Customer Specified 10 pF to 32 pF

Frequency (Customer Specified)



All dimensions in inches (mm).

SUGGESTED SOLDER PAD LAYOUT



Note: Exceeding these limits can damage the device.

Electrical/Environmental Specifications

PARAMETERS	VALUE
Frequency Range*	3.579545 to 30.000 MHz
Tolerance @ +25°C	See Table Above
Stability	See Table Above
Aging	±5 ppm/yr. Max.
Shunt Capacitance	7 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	See Table Above
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
3.579 to 3.999 MHz	200 Ω
4.000 to 7.999 MHz	150 Ω
8.000 to 9.999 MHz	100 Ω
10.000 to 19.999 MHz	80 Ω
20.000 to 30.000 MHz	50 Ω
Drive Level	100 μW Max.
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

