



# M1260 Series 1.2 x 1.6 mm Surface Mount Crystal

## FEATURES

Leadless Ceramic package  
Tape and Reel  
Low Profile (0.4 mm Height)  
Fully RoHS 6 compliant

## APPLICATIONS

Communications  
IoT  
Portable and wearable devices  
Industrial and Instrumentation

## ORDERING INFORMATION

<b>M1260</b>	<b>2</b>	<b>J</b>	<b>M</b>	<b>XX</b>	<b>00.0000 MHz</b>
<b>Product Series</b>					
<b>Temperature Range</b> 6: -20°C to +70°C      H: -30°C to +85°C 2: -40°C to +85°C					
<b>Tolerance</b> D: ± 10 ppm      J: ± 30 ppm G: ± 20 ppm					
<b>Stability</b> D: ± 10 ppm      J: ± 30 ppm E: ± 15 ppm      M: ± 50 ppm G: ± 20 ppm					
<b>Load Capacitance</b> XX: Customer Specified 6 pF to 32 pF Blank: 18 pF (standard)					
Frequency (Customer Specified)					

Example Part Number: M12602JM 20 .0000 MHz

## ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Frequency Range	F <sub>0</sub>	24		80	MHz	
Frequency Tolerance	F/F	See Ordering Information			ppm	@ +25°C, see ordering information.
Frequency Stability	ΔF/F	See Ordering Information			ppm	Over the operating temperature range
Aging		-3		+3	ppm	1 <sup>st</sup> year
Load Capacitance		6		32	pF	Customer specified
Shunt Capacitance				3	pF	
ESR		See ESR Table				
Drive Level	DL			100	μW	
Insulation Resistance	IR	500			MΩ	100VDC

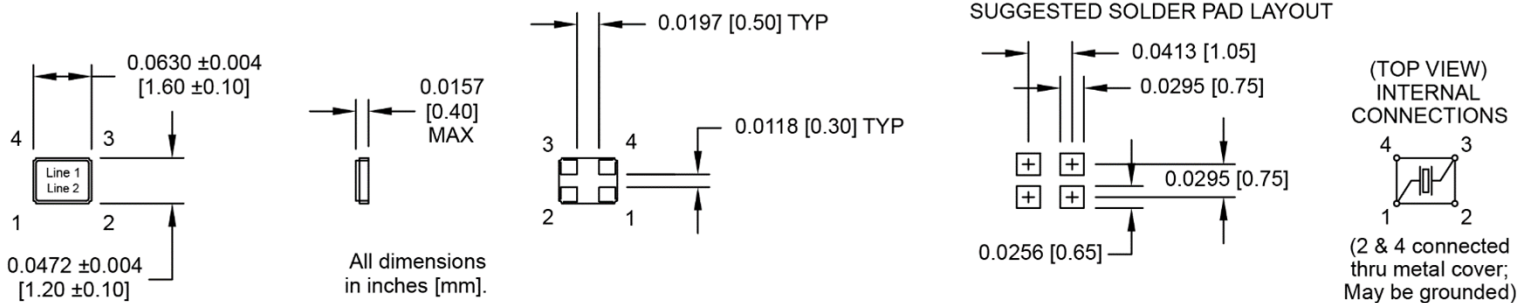
### Temperature

Operating Temperature	T <sub>A</sub>	See Ordering Information			°C	
Storage Temperature	T <sub>S</sub>	-55		+125	°C	

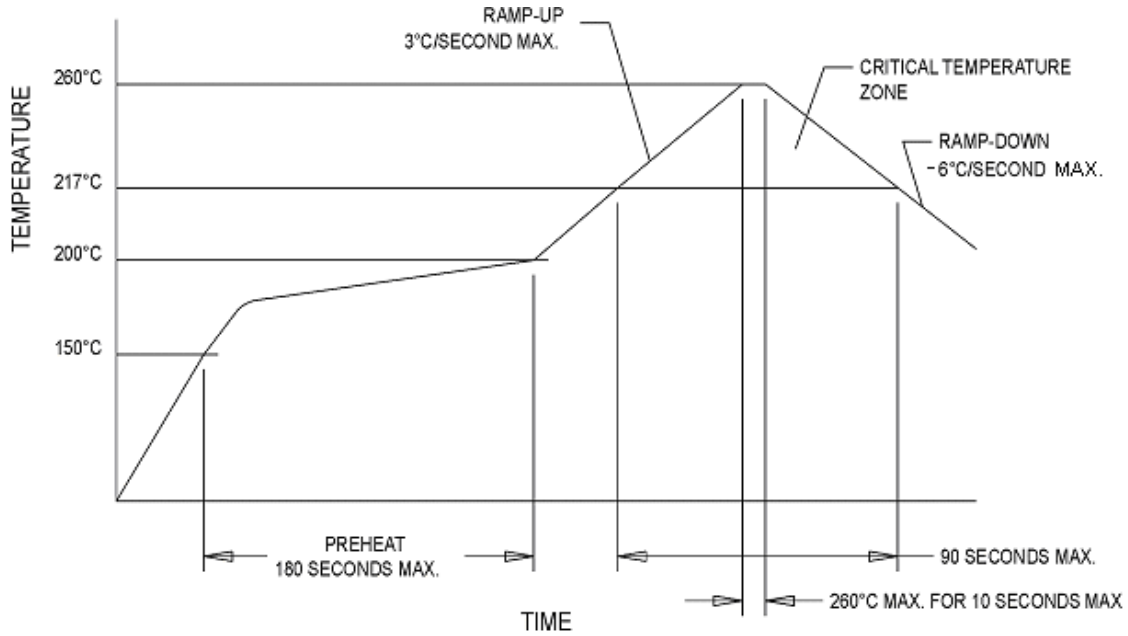
### ESR Table

Frequency Range	ESR (MAX)
Fundamental (AT-cut)	
24 to 26 MHz	150 Ω
26 to 32 MHz	100 Ω
32 to 40 MHz	80 Ω
40 to 80 MHz	60 Ω

## MECHANICAL AND PIN OUT INFORMATION



**LEAD FREE SOLDER PROFILE**



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.