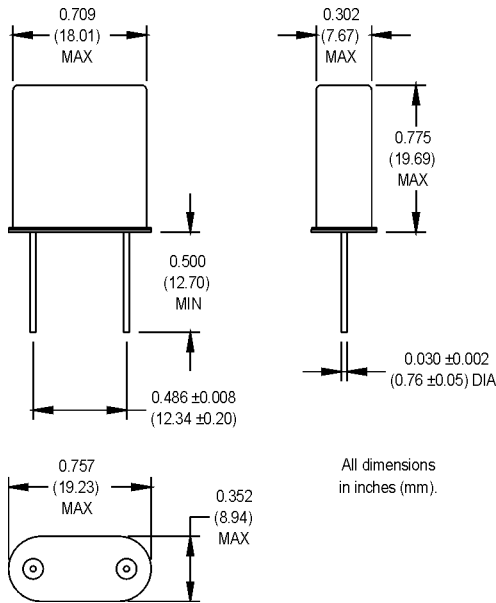


# MP-2 Series Microprocessor Crystal



## MP-2 (HC-51/U) 00.0000 MHz (customer specified frequency)

## MP-2-R (HC-51/U) 00.0000 MHz (RoHS Compliant and customer specified frequency)



## Electrical/Environmental Specifications

PARAMETERS	MP-2/**SRMP-2
Frequency Range (MHz)	1.8432 to 200.000
Tolerance @ +25°C	±30 ppm
Stability	±50 ppm
Aging	±5 ppm/yr. Max.
Shunt Capacitance	7 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	-10°C to +70°C
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
1.8432 to 1.999 MHz	300 Ω
2.000 to 2.399 MHz	300 Ω
2.400 to 3.299 MHz	250 Ω
3.300 to 3.569 MHz	100 Ω
3.570 to 3.999 MHz	100 Ω
4.000 to 5.999 MHz	100 Ω
6.000 to 7.999 MHz	60 Ω
8.000 to 10.999 MHz	50 Ω
11.000 to 14.999 MHz	40 Ω
15.000 to 19.999 MHz	30 Ω
20.000 to 34.000 MHz	25 Ω
Third Overtones (AT-cut)	
20.000 to 49.999 MHz	40 Ω
50.000 to 75.000 MHz	50 Ω
Fifth Overtones (AT-cut)	
50.000 to 125.000 MHz	90 Ω
Seventh Overtones (AT-cut)	
125.000 to 200.000 MHz	150 Ω
Drive Level	1 mW Max.
Holder	HC-51/U
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Thermal Cycle	MIL-STD-883, Method 1010, B

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](http://www.mtronpti.com) for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.