H Series Crystal



- 6.0mm x 3.5 mm x1.2mm Ceramic Package
- Tight Tolerance and Stability
- Wide Frequency Range
- Tape and Reel Packaging



ELECTRICAL SPECIFICATIONS:

Frequency Range	8.000MHZ to 100.000MHZ	
Frequency Tolerance / Stability	(See Part Number Guide for Options)	
Operating Temperature Range	(See Part Number Guide for Options)	
Storage Temperature	-40°C to +85°C	
Aging	±5ppm per year max	
Shunt Capacitance	7pF max	
Load Capacitance	20pF Standard (See Part Number Guide for Options)	
Equivalent Series Resistance	See ESR Chart	
Mode of Operation	Fundamental / 3 rd OT	
Drive Level	100μW max	
Insulation Resistance	500 M ohms min at 100VDC ±15VDC	
Shock	MIL-STD-883, Meth 2002, Cond B	
Solderability	MIL-STD-883, Meth 2003	
Solvent Resistance	MIL-STD-202, Meth 215	
Vibration	MIL-STD-883, Meth 2007, Cond A	
Gross Leak Test	MIL-STD-883, Meth 1014, Cond C	
Fine Leak Test	MIL-STD-883, Meth 1014, Cond A	

ESR CHART:

Frequency Range	ESR (Ohms)	Mode / Cut
8.000MHZ to 10.999MHZ	100 max	Fund / AT
11.000MHZ to 11.999MHZ	80 max	Fund / AT
12.000MHZ to 15.999MHZ	60 max	Fund / AT
16.000MHZ to 39.999MHZ	40 max	Fund / AT
40.000MHZ to100.000MHZ	70 max	3 rd OT/ AT

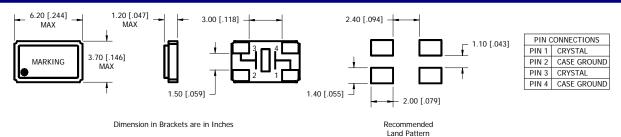
MARKING:

Line 1: MXX.XXX XX.XXX = Frequency in MHz

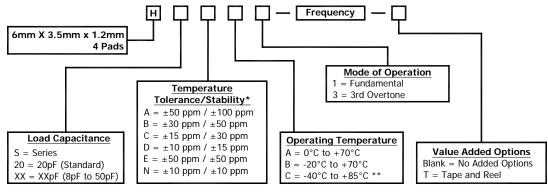
Line 2: SYMCCL S = Internal Code

YM = Date Code (Year/Month) CC = Crystal Parameters Code L = Denotes RoHS Compliant

MECHANICALS DETAIL:



PART NUMBER GUIDE:



- * Please consult with MMD sales department for any other parameters or options.
- ** Not all Frequency Tolerance/Stability options available at this temperature range.

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