G Series Crystal



- > 5mm X 7mm X 4 Pads Ceramic Package
- Wide Frequency Range
- > Tight Tolerance and Stability
- > Tape and Reel Packaging



ELECTRICAL SPECIFICATIONS:

Frequency Range	6.000MHZ to 100.000MHZ	
Frequency Tolerance / Stability	(See Part Number Guide for Options)	
Operating Temperature Range	(See Part Number Guide for Options) -40°C to +85°C	
Storage Temperature		
Aging	±5ppm / first year Max	
Shunt Capacitance	7pF Max	
Load Capacitance	20pF Standard (See Part Number Guide for Options)	
Equivalent Series Resistance	See ESR Chart Fundamental, or 3 rd OT 1µW Typical 500 Megaohms Min at 100VDC	
Mode of Operation		
Drive Level		
Insulation Resistance		
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	Test MIL-STD-883, Meth 1014, Cond A	

ESR CHART:

Frequency Range	ESR (Ohms)	Mode / Cut
6.000MHZ to 6.999MHZ	120 Max	Fund / AT
7.000MHZ to 7.999MHZ	110 Max	Fund / AT
8.000MHZ to 8.999MHZ	100 Max	Fund / AT
9.000MHZ to 9.999MHZ	90 Max	Fund / AT
10.000MHZ to 10.999MHZ	80 Max	Fund / AT
11.000MHZ to 11.999MHZ	70 Max	Fund / AT
12.000MHZ to 15.999MHZ	60 Max	Fund / AT
16.000MHZ to 39.999MHZ	40 Max	Fund / AT
40.000MHZ to 83.999MHZ	70 Max	3 rd OT / AT
84.000MHZ to 100.000MHZ	60 Max	3 rd OT / AT

MARKING:

Line 1: MXX.XXX

XX.XXX = Frequency in MHz

Line 2: SYMCCL

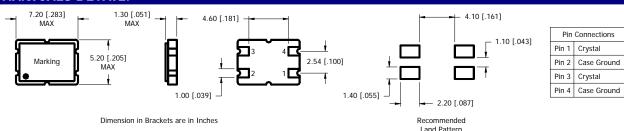
S = Internal Code

YM = Date Code (Year/Month)

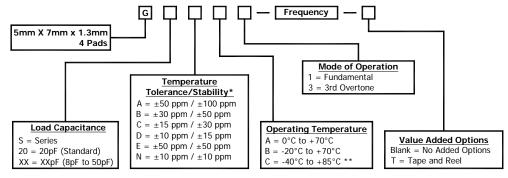
 $CC = Crystal\ Parameters\ Code$

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

MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688 Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com

Sales@mmdcomp.com