

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) |
| Storage Temperature | -40°C to +85°C |
| 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 |
| Mode of Operation | Fundamental, or 3 rd OT |
| Drive Level | 1µW Typical |
| Insulation Resistance | 500 Megaohms Min at 100VDC |
| 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:

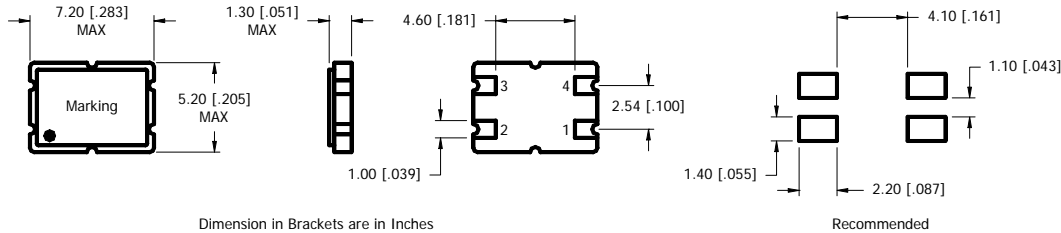
| Frequency Range | ESR (Ohms) | Mode / Cut |
|-------------------------|------------|-------------------------|
| 6.000MHZ to 6.999MHZ | 120 Max | Fund / AT |
| 7.000MHZ to 7.999MHZ | 110 Max | Fund / AT |
| 8.000MHZ to 8.999MHZ | 100 Max | Fund / AT |
| 9.000MHZ to 9.999MHZ | 90 Max | Fund / AT |
| 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:

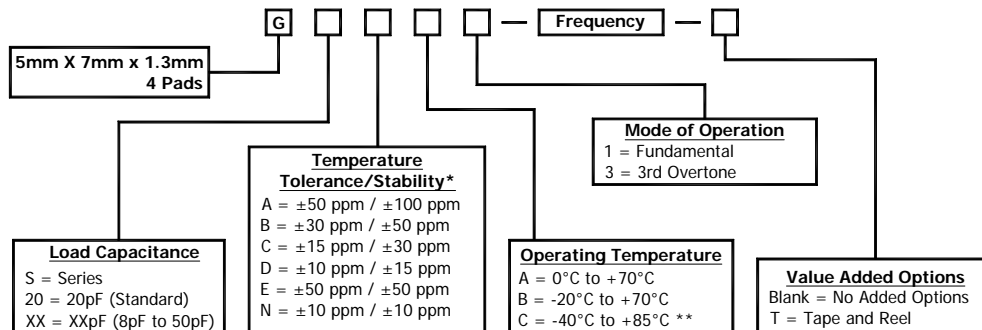
Line 1: MXX.XXX
XX.XXX = Frequency in MHz

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.

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