

# V Series Crystal



- 5.0mm x 3.2mm x 1.2mm 2 Pads Ceramic Package
- RoHS Compliant
- Rugged AT-cut Crystal Construction
- Tape and Reel Packaging Available



Frequency Range	12.000MHz to 50.000MHz
Frequency Tolerance / Stability	(See Part Number Guide for Options)
Operating Temperature	(See Part Number Guide for Options)
Storage Temperature	-40°C to +85°C
Aging	±5 ppm per year
Shunt Capacitance	5 pF
Load Capacitance	(See Part Number Guide for Options)
Oscillation Mode	Fundamental
Drive Level	10µW typ / 300 max
Insulation Resistance	500 M Ohms / 100 VDC

## Environmental & Mechanical Detail

Shock	MIL-STD-883, Method 2002 Cond B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-202, Method 215
Vibration	MIL-STD-883, Method 2007, Cond A
Gross Leak Test	MIL-STD-883, Method 1014, Cond C
Fine Leak Test	MIL-STD-883, Method 1014, Cond A2
MSL	Level 1 per IPC/JEDEC J-STD 20

## Marking Detail

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



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Revision:	V091310 D
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