T Series Crystal



- O 3.2mm X 2.5mm SMD
- O Wide Frequency Range
- O RoHS Compliant
- O Tight Tolerance and Stability



Frequency Range	12.000MHz to 54.000MHz
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 Maximum
Shunt Capacitance	5pF Maximum
Load Capacitance	(See Part Number Guide for Options)
Equivalent Series Resistance (ESR)	See ESR Chart
Drive Level	10μW Typical / 100μW Maximum
Insulation Resistance	500 Megaohms Minimum at 100Vdc

ESR Chart

Frequency Range	ESR (Ohms)	Mode / Cut
12.000MHz to 19.999MHz	100 Max	Fund / AT
20.000MHz to 29.999MHz	80 Max	Fund / AT
30.000MHz to 54.000MHz	50 Max	Fund / AT

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

First Line = MXX.XXX			
М	=	MMD	
XX.XXX	=	Device Frequency	
Second Line = SYYWW or SSYYWW			
S or SS	=	Internal Code	
YYWW	=	Date Code (Year/Week)	

QUALITY SYSTEM CERTIFIED = ISO 9001 =

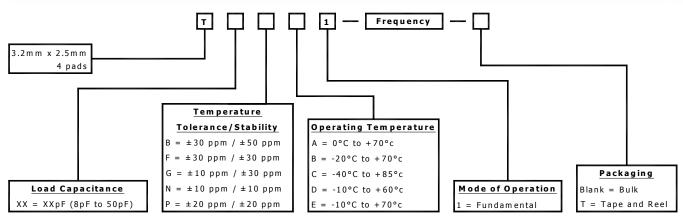
MMD MONITOR/QUARTZEK - An ILSI Company

5458 Louie Lane, Reno, NV 89511 Phone: (775) 851-8880, <u>www.mmdcomp.com</u>



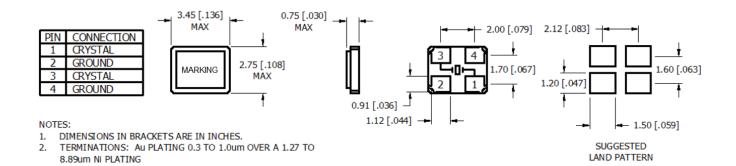
Revision:	12/07/17 K
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Part Number Guide

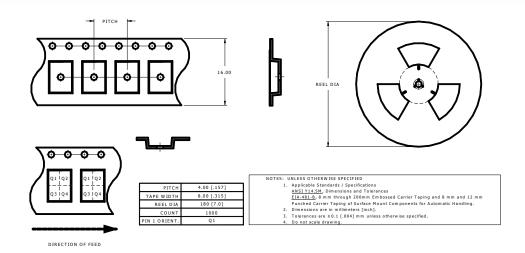


Please Consult with MMD Sales Department for any other Parameters or Options

Mechanical Details



Tape and Reel



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