T Series Crystal Spec



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



ELECTRICAL SPECIFICATIONS:

Frequency Range	13.000MHz to 55.000MHz	
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	5pF Max	
Load Capacitance	(See Part Number Guide for Options)	
Equivalent Series Resistance (ESR)	See ESR Chart	
Drive Level	10μW Typ / 100μW Max	
Insulation Resistance	500 Megaohms Min at 100VDC ±15VDC	

ESR CHART:

Frequency Range	ESR (Ohms)	Mode / Cut
13.000MHz to 20.000MHz	100 Max	Fund / AT
20.000MHz to 30.000MHz	80 Max	Fund / AT
30.000MHz to 55.000MHz	60 Max	Fund / AT

MARKING:

Line 1: MXX.XXX

XX.XXX = Frequency in MHz

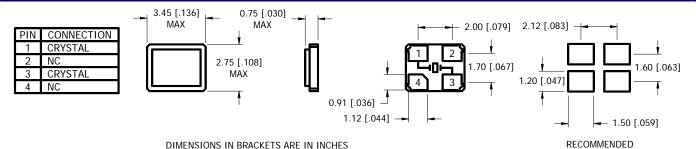
Line 2: SYMCCL

S = Internal Code

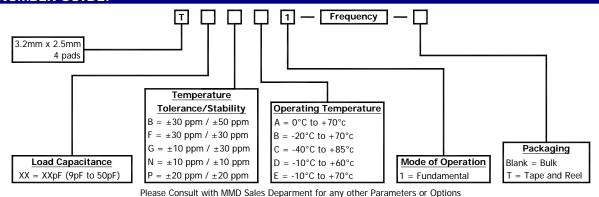
YM = Date Code (Year/Month)

CC = Crystal Parameters Code L = Denotes RoHS Compliant

MECHANICAL DETAILS:



PART NUMBER GUIDE:



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LAND PATTERN