U Series Crystal



- UM-1 Thru-Hole Crystal
- Wide Frequency Range
- > AT Cut
- RoHS Compliant Available



ELECTRICAL SPECIFICATIONS:

Francis Domma	7 000MH= to 200 000MH=	
Frequency Range	7.000MHz to 200.000MHz	
Frequency Tolerance / Stability	(See Part Number Guide for Options)	
Operating Temperature Range	(See Part Number Guide for Options)	
Storage Temperature	-55°C to +125°C	
Aging	±5ppm / first year max	
Shunt Capacitance	7pF max	
Load Capacitance	20pF Standard (See Part Number Guide for Options)	
Equivalent Series Resistance (ESR)	See ESR Chart	
Mode of Operation	Fundamental, 3 rd OT	
Drive Level	1mW Max	
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
7.000MHz to 40.000MHz	40 Max	Fund / AT
24.000MHz to 34.999MHz	60 Max	3 rd OT / AT
35.000MHz to 125.000MHz	40 Max	3 rd OT / AT
60.000MHz to 200.000MHz	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)

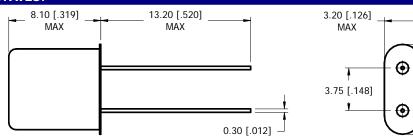
CC = Crystal Parameters Code

L = Denotes RoHS Compliant

7.90 [.311]

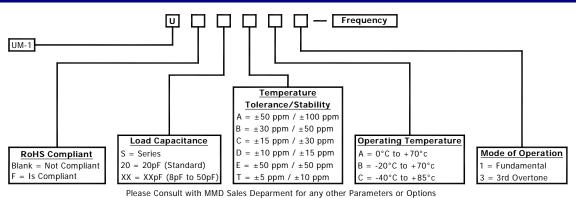
 MAX

MECHANICAL DETAILS:



DIMENSION IN BRACKETS ARE IN INCHES

PART NUMBER GUIDE:



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