

**PART NUMBERING GUIDE**

**Environmental/Mechanical Specifications on page F5**

**M A 32 C 1 - 30.000MHz**

**Package**  
M= 1.6mm max. ht. / 2 Pad Ceramic SMD

**Tolerance/Stability**  
A=±50/100  
B=±50/50  
C=±30/50  
D=±30/30

**Mode of Operation**  
1=Fundamental  
3=Third Overtone

**Operating Temperature Range**  
C=0°C to 70°C  
E=-20°C to 70°C  
F=-40°C to 85°C

**Load Capacitance**  
S=Series, XX=XXpF (Pico Farads)

**ELECTRICAL SPECIFICATIONS**

Revision: 1995-B

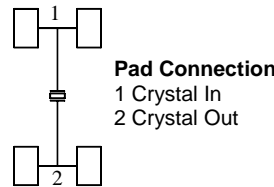
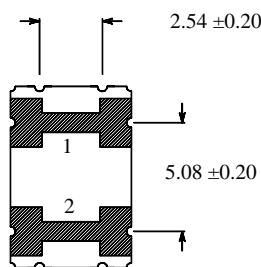
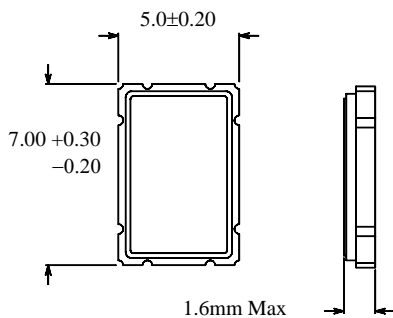
<b>Frequency Range</b>	3.500MHz to 30.000MHz
<b>Frequency Tolerance/Stability</b> A, B, C, D	See above for details! Other Combinations Available. Contact Factory for Custom Specifications.
<b>Operating Temperature Range</b> "C" Option, "E" Option, "F" Option	-30°C to 70°C
<b>Aging @ 25°C</b>	±5ppm / year Maximum
<b>Storage Temperature Range</b>	-55°C to 125°C
<b>Load Capacitance</b> "S" Option "XX" Option	Series 8pF to 50pF
<b>Shunt Capacitance</b>	7pF Maximum
<b>Insulation Resistance</b>	500 Megaohms Minimum at 100Vdc
<b>Drive Level</b>	500uW Maximum, 100uW correlation

**EQUIVALENT SERIES RESISTANCE (ESR)**

Frequency Range (MHz)	ESR (ohms)	Mode / Cut
3.500 to 3.000	300	Fundamental / AT
4.000 to 7.999	200	Fundamental / AT
8.000 to 9.999	100	Fundamental / AT
20.000 to 30.000	80	Fundamental / AT

**MECHANICAL DIMENSIONS**

**Marking Guide**



16.000M  
CEIYM

16.000M= Frequency  
CEI = Caliber Electronis Inc.  
YM = Date Code (Yr./Mth)