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

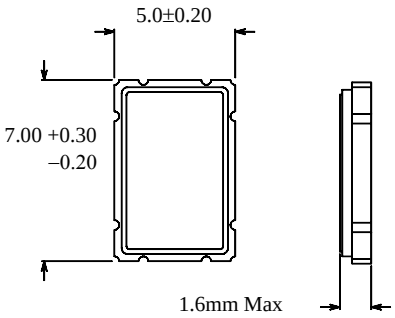
Revision: 1995-B

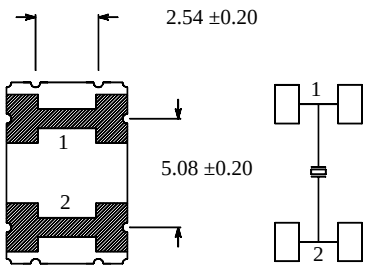
Frequency Range	3.500MHz to 30.000MHz
Frequency Tolerance/Stability A, B, C, D	See above for details! Other Combinations Available. Contact Factory for Custom Specifications.
Operating Temperature Range "C" Option, "E" Option, "F" Option	 -30°C to 70°C
Aging @ 25°C	±5ppm / year Maximum
Storage Temperature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





Pad Connection
1 Crystal In
2 Crystal Out

Marking Guide

16.000M
CEIYM

16.000M= Frequency

CEI = Caliber Electronis Inc.

YM = Date Code (Yr./Mth)