LF Series
1.7mm 2 Pin Ceramic Surface Mount Crystal

Lead-Free
RoHS Compliant

C A L I B E R
Electronics Inc.

PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

LF A 32 C 1 - 30.000MHz

Package
LF=1.7mm max.ht. / 2 Pad Seam Weld SMD

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

Mode of Operation
1=Fundamental
3=Third OT

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

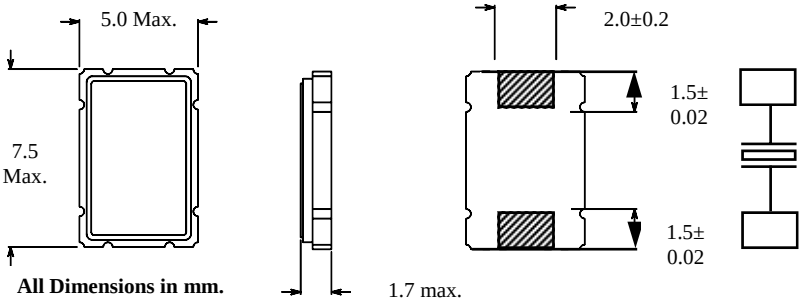
Revision: 1996-B

Frequency Range	7.3728MHz to 67.000MHz
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	 0°C to 70°C, -20°C to 70°C, -40°C to 85°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	50mW Maximum, 50uW correlation

EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range (MHz)	ESR (ohms)	Mode / Cut
8.000 to 16.000	60	Fundamental / AT
16.001 to 32.000	40	Fundamental / AT
28.000 to 67.000	60	3rd Overtone

MECHANICAL DIMENSIONS



All Dimensions in mm.

Marking Guide

Line 1: Frequency
Line 2: CEI YM

CEI = Caliber Electronics Inc.
YM = Date Code (Year / Month