

LF Series

1.7mm 2 Pin Ceramic Surface Mount Crystal

Lead-Free
RoHS Compliant

CALIBER
Electronics Inc.

PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

Package LF=1.7mm max.ht. / 2 Pad Seam Weld SMD		LF A 32 C 1 - 30.000MHz	Mode of Operation 1=Fundamental 3=Third OT
Tolerance/Stability A=±50/100 B=±50/50 C=±30/50 D=±30/30			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

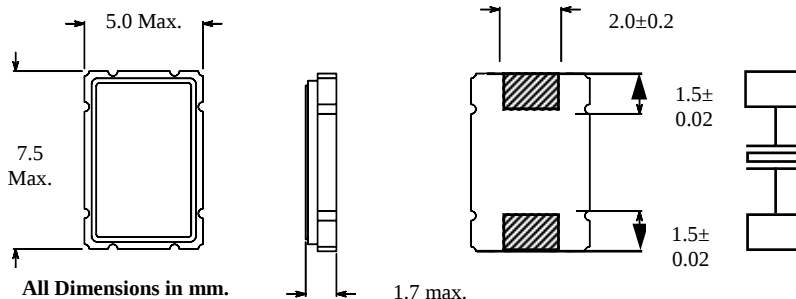
Frequency Range	7.3728MHz to 67.000MHz
Frequency Tolerance/Stability A, B, C, D	See above for details! Other Combinations Available. Contact Factory for Custom Specifications.
Operating Temperature Range "C" Option, "E" Option, "F" Option	0°C to 70°C, -20°C to 70°C, -40°C to 85°C
Aging @ 25°C	±5ppm / 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

Marking Guide



Line 1: Frequency
Line 2: CEI YM

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

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