

PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

Package _____		FMX - 635	E	G	20	C	1	- 29.4912MHz	Mode of Operation 1=Fundamental 3=Third Overtone	
6X3.5X1.0mm max. ht. / Seam Weld (Metal Lid Package)										Operating Temperature Range Per Table 1
Tolerance _____										
A=±10ppm										
B=±15ppm										
C=±20ppm										
D=±30ppm										Load Capacitance S=Series, XX=XXpF (Pico Farads)
E=±50ppm										
Stability _____										
A=±5ppm / B=±10ppm										
C=±15ppm / D=±20ppm										
E=±30ppm / F=±50ppm										

ELECTRICAL SPECIFICATIONS

Revision: 2002-C

Frequency Range	10.000MHz to 80.000MHz
Frequency Tolerance/Stability	A, B, C, D, E, F See above for details. Other Combinations Available. Contact Factory for Custom Specifications.
Operating Temperature Range	A, B, C, D, E, F, G, H (See Table 1)
Aging @ 25°C	±2ppm / year Maximum
Storage Temperature Range	-55°C to 100°C
Load Capacitance "S" Option "XX" Option	Series 10pF to 50pF
Shunt Capacitance	5pF Maximum
Insulation Resistance	500 Megaohms Minimum at 100Vdc
Drive Level	100uW Maximum, 100uW correlation

TABLE 1: PART NUMBERING CODES

Operating Temperature		Frequency Stability (±ppm) * Denotes Availability of Options					
Range	Code	±5 ppm	±10 ppm	±15 ppm	±20 ppm	±30 ppm	±50 ppm
		A	B	C	D	E	F
-10 to 60°C	A	*	*	*	*	*	*
-20 to 70°C	B		*	*	*	*	*
0 to 70°C	C		*	*	*	*	*
-10 to 70°C	D		*	*	*	*	*
-20 to 70°C	E		*	*	*	*	*
-30 to 60°C	F				*	*	*
-20 to 80°C	G				*	*	*
-40 to 85°C	H				*	*	*

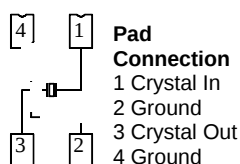
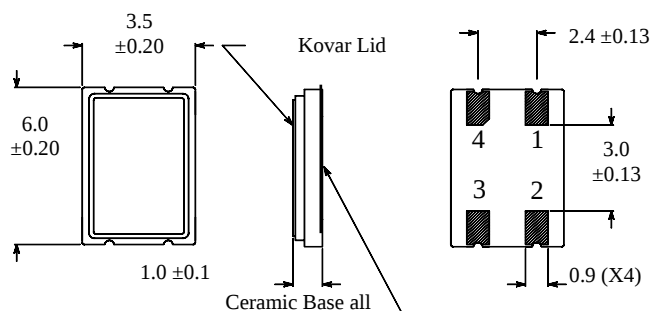
EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range (MHz)	ESR (ohms) / Mode-Cut	Frequency Range (MHz)	ESR (ohms) / Mode-Cut
<13.000MHz	<50 / 1-AT	13.001-15.000MHz	<45 / 1-AT
15.001-18.000MHz	<35 / 1-AT	18.001-40.000MHz	<25 / 1-AT
24.0001-40.000MHz	<25 / 1-AT	40.0001-80.000MHz	<70 / 3-AT

MECHANICAL DIMENSIONS

Marking Guide

All Dimensions in mm.



Line 1: Frequency
Line 2: CEI YM
CEI = Caliber Electronics
YM = Date Code (year/month)