

PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

FMX - 325 E G 20 C 1 - 29.4912MHz

<p>Package _____ 3.2X2.5X.75mm max. ht. / Seam Weld (Metal Lid Package)</p> <p>Tolerance _____ A=±10ppm B=±15ppm C=±20ppm D=±30ppm E=±50ppm</p> <p>Stability _____ A=±5ppm / B=±10ppm C=±15ppm / D=±20ppm E=±30ppm / F=±50ppm</p>	<p>_____ Mode of Operation 1=Fundamental</p> <p>_____ Operating Temperature Range Per Table 1</p> <p>_____ Load Capacitance S=Series, XX=XXpF (Pico Farads)</p>
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ELECTRICAL SPECIFICATIONS Revision: 2004-A

Frequency Range	13.000MHz to 54.000MHz
Frequency Tolerance/Stability	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	300uW Maximum, 100uW correlation

TABLE 1: PART NUMBERING CODES

Operating Temperature	Range	Code	Frequency Stability (±ppm) * Denotes Availability of Options				
			±10 ppm	±15 ppm	±20 ppm	±30 ppm	±50 ppm
-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
13.000 to 19.999MHz	80	Fundamental / AT
25.000 to 25.999	70	Fundamental / AT
26.000MHz to 54.000MHz	50	Fundamental / AT

MECHANICAL DIMENSIONS

Marking Guide

All Dimensions in mm.

Recommended Solder Pattern

16.000M
CEIYM

Pad Connection
1 Crystal In
2 Ground
3 Crystal Out
4 Ground

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