

# FMXMC SERIES

## High Frequency Micro Processor Crystals

### CYLINDRICAL



- Miniature Package
- Very Small Footprint
- Cost Effective
- High Shock Resistance

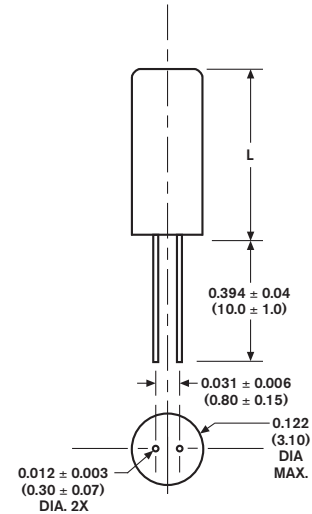


## SPECIFICATIONS

08 - issue 2 - 071508

Parameter	Specification
Frequency Range	3.579 - 9.999 MHz Type A (See Dimension Chart) 10.0 - 30.0 MHz Type B (See Dimension Chart) 27.0 - 70.0 MHz Type B (See Dimension Chart)
Operation Mode	See Operation Mode and ESR Table
Load Capacitance (CL)	10 pF - Series resonance
Frequency Tolerance	±10 - 50 ppm @ 25°C
Temperature Tolerance	±50 ppm Std. (See Temp. Tol. for Options)
Operating Temperature	0 to +70°C Std. (See Temp. Range for Options)
Storage Temperature	-55 to +125°C
Equivalent Series Resistance (ESR)	See Operation Mode and ESR Table
Parallel Capacitance (Co)	7 pF max.
Drive Level	10 - 1000 μW
Aging @ 25°C	±5 ppm per year max.

All specifications subject to change without notice.



Type	L
A	.398 (10.1)
B	.354 (9.0)

### OPERATION MODE AND ESR TABLE

Frequency (MHz)	Mode	Max. ESR (Ohms)
3.579 - 3.699	Fundamental	200
3.700 - 3.999	Fundamental	180
4.000 - 4.099	Fundamental	150
4.100 - 4.999	Fundamental	120
5.000 - 6.999	Fundamental	100
7.000 - 9.999	Fundamental	80
10.000 - 11.999	Fundamental	70
12.000 - 13.999	Fundamental	60
14.000 - 15.999	Fundamental	50
16.000 - 30.000	Fundamental	40
27.000 - 60.000	3rd Overtone	100

**NOTE: Standard Specifications for product indicated in color**

Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$

## PART DESCRIPTION SYSTEM

**FMXM CA 1 18 H J A - XXX.XXXXXXM - TR**

