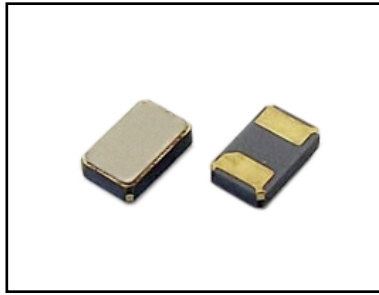


# FMXMC15S SERIES

Microprocessor Crystals

**CERAMIC SMD 3.2x1.5**



- Surface Mount Ceramic Pkg.
- Tuning Fork Crystal
- 32.768 kHz
- Tight Stability



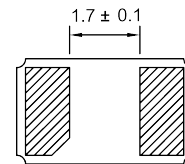
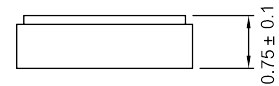
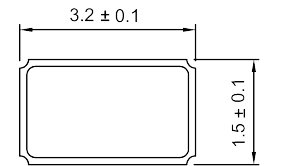
## SPECIFICATIONS

Issue 1 - 04012013

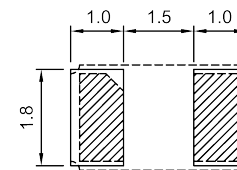
Parameter	Specification
Frequency	32.768 kHz
Load Capacitance (CL)	12.5 pF
Frequency Tolerance	±20 ppm or ±50 ppm @ +25°C
Turnover Temperature	+25°C ppm ±5°C
Temperature (Parabolic) Coefficient	$(-0.04 \pm 0.01) \times 10^{-6}/^{\circ}\text{C}^2$
Operating Temperature	-40 to +85°C
Storage Temperature	-55 to +125°C
Equivalent Series Resistance (ESR)	90 KΩ max
Drive Level	0.5 μW max
Shunt Capacitance (C0)	1.4 pF typical
Motional Capacitance (C1)	6.0 fF typical
Insulation Resistance (IR)	500 MΩ min
Aging @ +25°C	±3 ppm first year max

All specifications subject to change without notice.

### 3.2 x 1.5 CERAMIC SMD



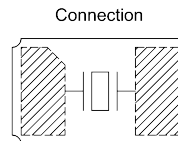
#### Suggested Layout



### STANDARD MARKING

FMI XX.XXX

XX.XXX FREQUENCY in MHz



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

Dimensions: millimeters

## PART DESCRIPTION SYSTEM

