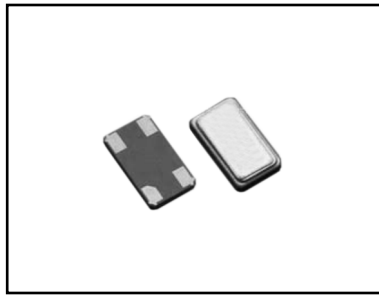


FMXMC4S SERIES

Microprocessor Crystals

CERAMIC SMD 4x2.5



- Surface Mount Ceramic Pkg.
- Miniature 4-Pad / Ultra Thin
- High Reliability
- Tight Stability

SPECIFICATIONS

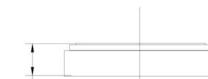
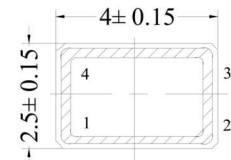
Issue 2 | 07252012



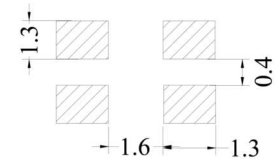
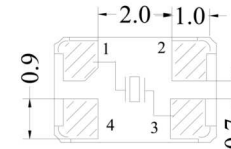
Parameter	Specification
Frequency Range	12 - 50 MHz
Operation Mode	See Operation Mode and ESR Table
Load Capacitance (CL)	18 pF Std, 6 - 60 pF and Series available
Frequency Tolerance	±30 ppm @ 25°C Std (See Cal. Tol. for Options)
Temperature Tolerance	±50 ppm Std (See Temp. Tol. for Options)
Operating Temperature	-10 to +60°C Std (See Temp. Range for Options)
Storage Temperature	-40 to +85°C / -55 to +125°C
Equivalent Series Resistance (ESR)	See Operation Mode and ESR Table
Shunt Capacitance (C0)	7 pF max
Drive Level	10 µW typical, 300 µW max
Aging @ +25°C	±3 ppm typical; ±5 ppm per year max
Insulation Resistance	500MΩ min at 100V _{DC} ±15V
Reflow Conditions	+260°C ±10°C for 10 sec max 2 reflows max

All specifications subject to change without notice.

4x2.5 CERAMIC SMD



0.8 max



Recommended Solder Pad Layout

OPERATION MODE AND ESR TABLE

Frequency (MHz)	Mode	Max. ESR (Ohms)
12.0 - 19.9	Fundamental	80
20.0 - 23.9	Fundamental	50
24.0 - 50.0	Fundamental	40

STANDARD MARKING

XXX.XXXM
XXXXXXX
FMI YYWW

XXX.XXXM FREQUENCY in MHz
XXXXXXX Part Number
FMI, Date Code

NOTE: Standard Specifications for product indicated in color

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

PART DESCRIPTION SYSTEM

FMXM C4S 1 18 H J A - XX.XXXXXXXM - CM

