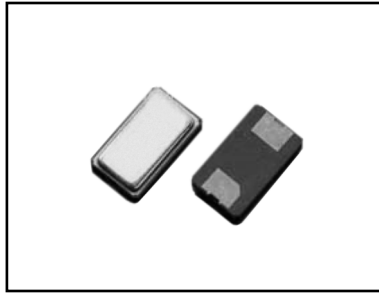


FMXMC6S2 SERIES

Microprocessor Crystals

CERAMIC SMD 6x3.5



- Surface Mount Ceramic Pkg.
- Miniature 2-Pad / Ultra Thin
- High Reliability
- Tight Stability



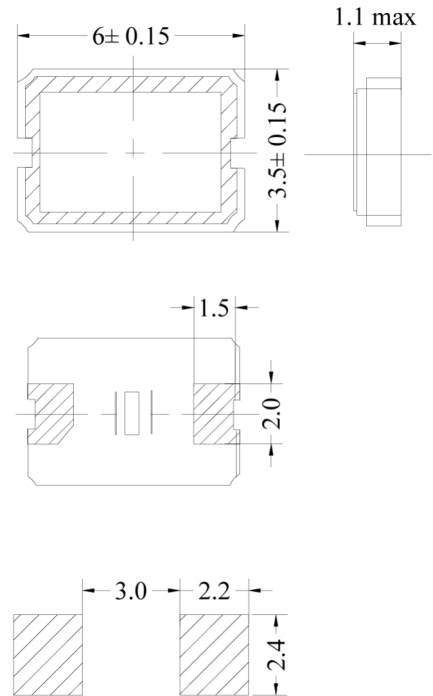
SPECIFICATIONS

Issue 2 | 07252012

Parameter	Specification
Frequency Range	8 - 150 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	0 to +70°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.

6x3.5 CERAMIC SMD



OPERATION MODE AND ESR TABLE

Frequency (MHz)	Mode	Max. ESR (Ohms)
8.0 - 13.9	Fundamental	60
14.0 - 39.0	Fundamental	40
40.0 - 150.0	3rd Overtone	80

STANDARD MARKING

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XXX.XXXM
XXXXXXXX
FMI YYWW
    
```

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

Recommended Solder Pad Layout

NOTE: Standard Specifications for product indicated in color

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

PART DESCRIPTION SYSTEM

FMXM C6S2 1 18 H J A - XX.XXXXXXM - CM

