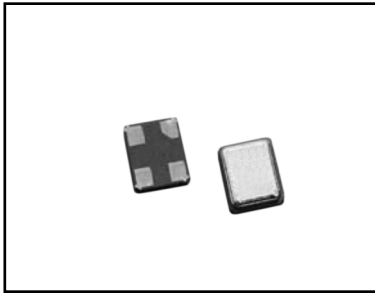


FMXMC20S SERIES

Microprocessor Crystals

CERAMIC SMD 2.5x2.0



- Surface Mount Ceramic Pkg.
- Micro 2.5 x 2.0 / Ultra Thin
- High Reliability
- Tight Stability



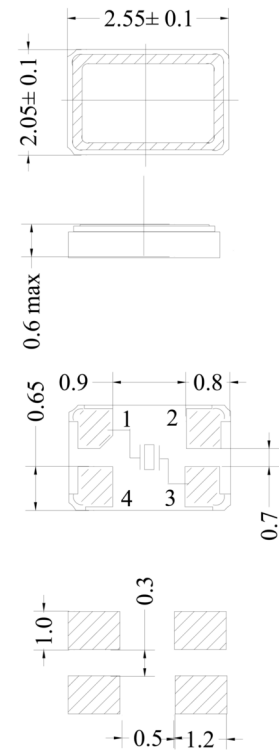
SPECIFICATIONS

Issue 2 - 07252012

Parameter	Specification
Frequency Range	20 - 50 MHz
Operation Mode	See Operation Mode and ESR Table
Load Capacitance (CL)	18 pF Std, 8 - 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
Equivalent Series Resistance (ESR)	See Operation Mode and ESR Table
Shunt Capacitance (C0)	5 pF max
Drive Level	10 µW typical, 200 µW max
Aging @ +25°C	±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.

2.5 x 2.0 CERAMIC SMD



PIN FUNCTION TABLE

Pin	Function
1	Crystal
2	Ground
3	Crystal
4	Ground

OPERATION MODE AND ESR TABLE

Frequency (MHz)	Mode	Max. ESR (Ohms)
20 - 29.99	Fundamental	80
30 - 39.99	Fundamental	60
40 - 50.00	Fundamental	40

STANDARD MARKING

FMI XX.XXX

XX.XXX FREQUENCY in MHz

Recommended Land Pattern

NOTE: Standard Specifications for product indicated in color

Dimensions: millimeters

PART DESCRIPTION SYSTEM

FMXM C20S 1 18 H J A - XX.XXXXXXM - CM

