



# CERAMIC SEAM SEALED SMD CRYSTAL MODEL: FMB



## FEATURES

- Fundamental to 40 MHz
- Seam Sealed
- Tape and Reel (2,000 pcs. STD)

## OPTIONS

- Tolerances to < 5 PPM
- Stabilities to < 3 PPM
- Temperatures to -40°C ~ +85°C

**Quote it!**



### • PART NUMBER SELECTION [Learn More - Internet Required](#)

Part Number	Model Number	Frequency Range (MHz)
411-Frequency-xxxxx	FMB	9.000 ~ 90.064583

### • STANDARD SPECIFICATIONS<sup>1</sup>

PARAMETERS	MAX (unless otherwise noted)
Frequency Range	9.000 ~ 90.064583 MHz
Frequency Stability Over Operating Temp Range	±100 PPM <sup>2</sup>
Temperature Range	
Operating (TOPR)	-10°C ~ +60°C
Storage (TSTG)	-40°C ~ +85°C
Shunt Capacitance (Co)	7.0 pF
Load Capacitance (CL)	10 pF ~ Series (Customer Specified)
Drive Level	0.1 mW
Aging per year	±5 PPM

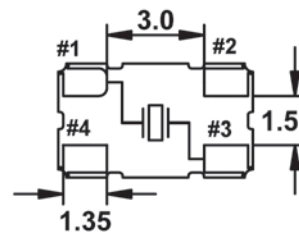
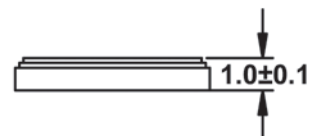
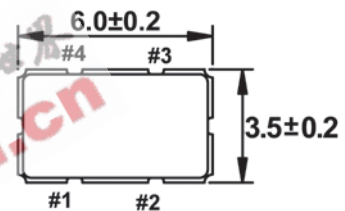
<sup>1</sup> Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.

<sup>2</sup> Inclusive of tolerance at 25°C.

All specifications subject to change without notice. Rev. 5/1/04

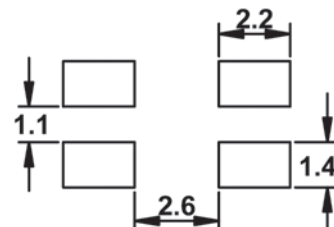
Learn more about:  
[Part Marking Identification](#)  
[Tape and Reel Specification](#)

Internet required



Frequency Range (MHz)	Operating Mode	Max ESR Ω
9.000 ~ 12.000	Fundamental	80
12.000+ ~ 16.000	Fundamental	60
16.000+ ~ 40.000	Fundamental	40
40.000+ ~ 90.064583	3rd OT	70

### Recommended Solder Pad Layout



All dimensions are in millimeters.