



CERAMIC SEAM SEALED SMD CRYSTAL MODEL: FMB



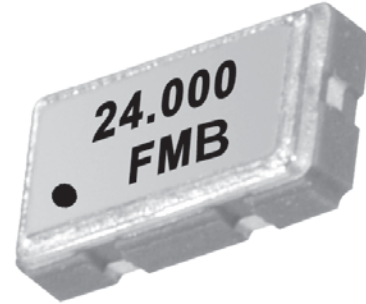
FEATURES

- 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 SPECIFICATIONS¹

PARAMETERS	MAX (unless otherwise noted)
Frequency Range	9.000 ~ 90.064583 MHz
Frequency Stability Over Operating Temp Range	±100 PPM ²
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

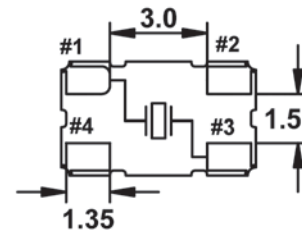
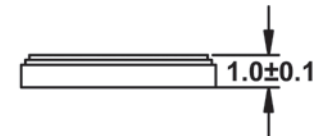
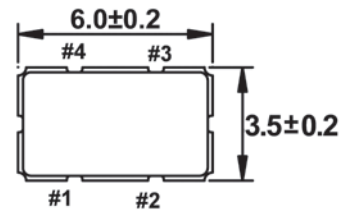
¹ Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.

² Inclusive of tolerance at 25°C.

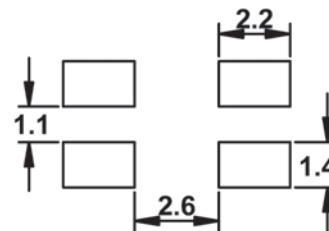
All specifications subject to change without notice. Rev. 5/1/04

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

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



Recommended Solder Pad Layout



All dimensions are in millimeters.