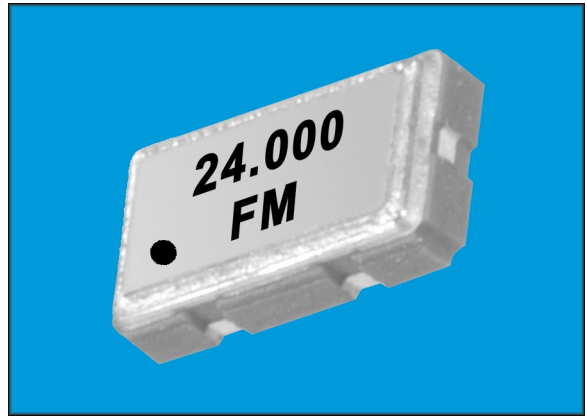


ULTRA MINIATURE CERAMIC SMD CRYSTAL FM/FMB

The Fox FM Series SMD crystal features a package size of 6.0 x 3.5 x 1.0mm. With its ceramic base and metal lid, the FM Series provides the durability and reliability necessary for strenuous processes like infrared and vapor phase reflows. Also, the high frequency fundamental mode up to 40MHz eases circuit design.

FEATURES

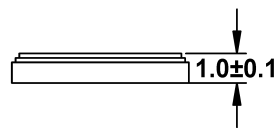
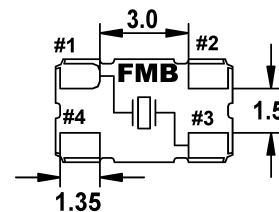
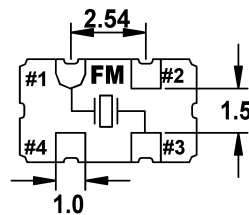
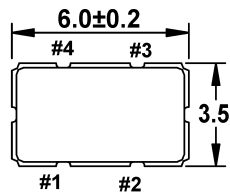
- Ultra Miniature Package
- 1.0mm Height
- Only 2.1cc Volume
- High Frequency Fundamental
- High Reliability
- Tape and Reel (2,000 pcs. STD)



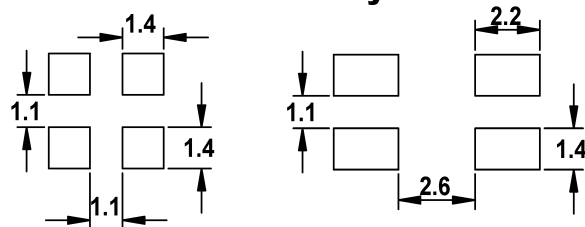
• FM/FMB STANDARD SPECIFICATIONS *				
PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		10.368	67.000	MHz
Frequency Stability	Ta = -10°C ~ +60°C Inclusive of Tolerance at 25°C	-100	+100	PPM
Temperature Range				
Operating (TOPR)		-10	+60	°C
Storage (TSTG)		-30	+85	
Shunt Capacitance (Co)			7.0	pF
Load Capacitance (CL)	Customer Specified	10	Series	pF
Drive Level	10.368 ~ 67.000 MHz		0.1	mW
Aging	Ta = 25°C; per year	-5.0	+5.0	PPM

Frequency Range (MHz)	Operating Mode	Max ESR Ω
10.368 ~ 12.000	Fundamental	80
12.000+ ~ 16.000	Fundamental	60
16.000+ ~ 40.000	Fundamental	40
40.000+ ~ 67.000	3rd OT	70

*Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements, or use crystal order form on page 6. All specifications subject to change without notice. Rev. 05/03/00



Recommended Solder Pad Layout



All dimensions are in millimeters.
See page 31 for tape and reel specifications.