

Ceramic SMD Automotive Grade Crystal

Model: FXA7050B Series

RoHS Compliant

Rev. 5/28/2010

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Sample®

FEATURES

- Meets AEC-Q200 Requirements
- Fundamental to 48 MHz
- Temperatures to -40°C ~ +125°C
- Seam Seal
- Tape and Reel (1,000 pcs. STD)

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

Part Number	Model Number	Frequency Range (MHz)
825B-Frequency-xxxxx	FXA7050B	6.000 ~ 48.000 MHz

• STANDARD SPECIFICATIONS

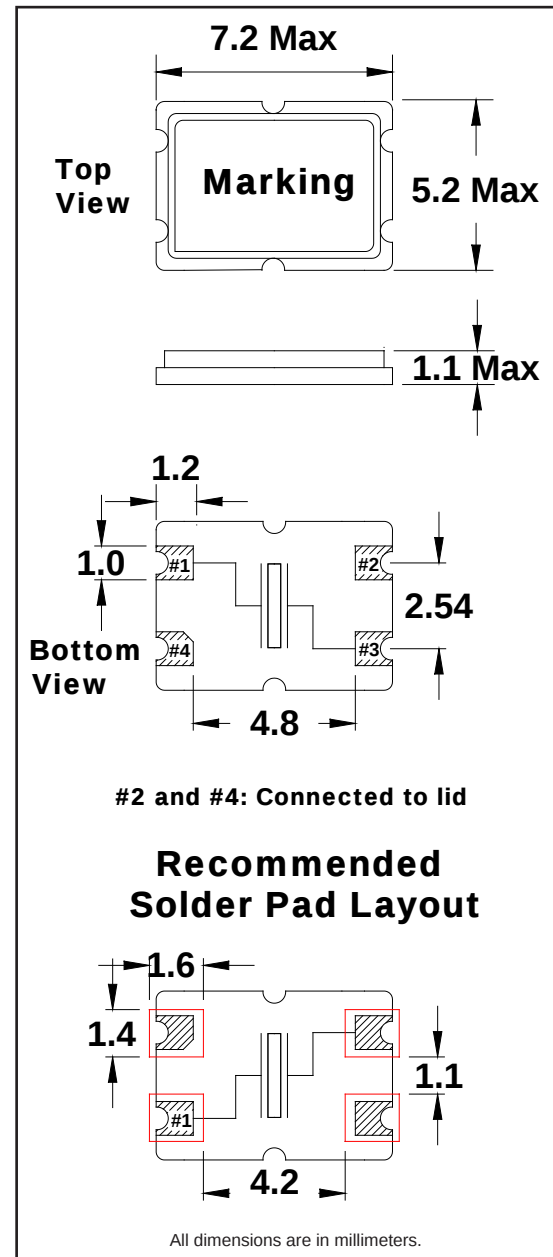
PARAMETERS	MAX (unless otherwise noted)
Frequency	6.000 ~ 48.000 MHz
Frequency Tolerance @ 25°C	±50 PPM ¹
Frequency Stability, ref @ 25°C	
-40 ~ +125°C	±100 PPM ¹
-40 ~ +85°C	±50 PPM ¹ (Customer Specified)
Temperature Range	
Operating (TOPR)	-40°C ~ +125°C
Storage (TSTG)	-55°C ~ +150°C
Shunt Capacitance (Co)	7pF
Load Capacitance (CL)	10pF~Series (Customer Specified)
Drive Level	100µW
Aging per year	±3 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au
Seal Method	Seam Seal

¹ Other tolerances and stabilities available. Contact Fox Technical Support for specific requirements.

Frequency Range (MHz)	Operating Mode	Max ESR Ω
6.000000 ~ 10.000000	Fundamental	110
10.000001 ~ 12.000000	Fundamental	60
12.000001 ~ 20.000000	Fundamental	50
20.000001 ~ 48.000000	Fundamental	40

Note: Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, etc. may vary.

The above specifications, having been carefully prepared and checked, are believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.



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• TAPE SPECIFICATIONS (millimeters)						
MODEL	A	B	C	D	E	STD Reel QTY
FXA7050B	Ø1.5	4.0	8.0	7.5	16.0	1,000

• REEL SPECIFICATIONS (millimeters)						
MODEL	G	H	I	J	K	L
FXA7050B	2.0	Ø13	Ø21	Ø62.0	Ø180	16.2

