# **All Quartz SMD Crystal**



Model: FQ7050 Series

**RoHS Compliant / Pb Free** 

Rev. 9/4/20

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### **FEATURES**

• Surface Mount All Quartz

• Low Cost

• Ultra Low Profile

• Fundamental

• Tape and Reel (1,000 pcs STD)

## **OPTIONS**

• Tolerances to  $\pm$  20 PPM

• Stabilities to  $\pm$  20 PPM

• Temp Range to  $-40^{\circ}$ C  $\sim +85^{\circ}$ C

PART NUMBER Learn More - Internet Required					
Part Number	Model Number	Frequency Range (MHz)			
736A-Frequency-xxxxx	FQ7050A	6.000 ~ 40.000*			
736B-Frequency-xxxxx	FQ7050B	6.000 ~ 40.000*			

• STANDARD SPECIFICATIONS <sup>1</sup>						
PARAMETERS	MAX (unless otherwise noted)					
Frequency Range (Fo)	6.000 ~ 40.000 MHz*					
Frequency Tolerance @ 25°C	±30 PPM <sup>1</sup>					
Frequency Stability, ref @ 25°C						
Over Operating Temp Range	±30 PPM <sup>1</sup>					
Temperature Range						
Operating (TOPR)	0°C ~ +70°C <sup>1</sup>					
Storage (TSTG)	-40°C ~ +85°C					
Shunt Capacitance (Co)	7 pF					
Load Capacitance (CL)	10 pF ~ Series					
	(Customer Specified)					
Drive Level	0.5 mW					
Aging per year	±5 PPM					

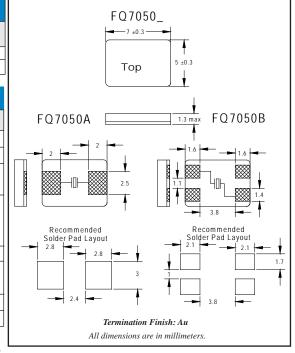
#### **RoHS Compliance Status: Compliant**

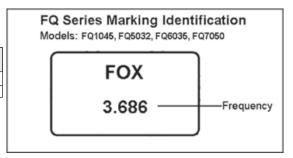
NOTE: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics

If you have any questions, please call Customer Support at 1-888-GET-2-FOX.

All specifications subject to change without notice.

Frequency Range (MHz)	Operating Mode	Max ESR Ω		
6.000 ~ 16.000	Fundamental	80		
16.000+ ~ 40.000	Fundamental	50		





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

<sup>\*</sup> Up to 40.000 MHz is available if this device is replacing an existing 5 x 7mm package. For new designs, above 12.000MHz, we recommend the smaller (FQ6035 & FQ5032) packages. Small quantities above 12MHz are only available in the smaller sizes.

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TAPE SPECIFICATIONS (millimeters)								
MODEL	Α	В	С	D	Е	F	STD Reel QTY	
FQ7050	Ø1.5	4.0	8.0	7.5	16.0	2.0	1,000	

• REEL SPECIFICATIONS (millimeters)							
MODEL	G	Н	ı	J	K	L	M
FQ7050	2.0	Ø13	Ø <b>21</b>	Ø62.5	Ø178	16.4	2.0

