

# All Quartz SMD Crystal



**Model: FQ5032 SERIES**

**RoHS Compliant / Pb Free**

**Rev. 9/4/2007**

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Sample®

## FEATURES

- Surface Mount All Quartz
- Low Cost
- Ultra Low Profile
- Fundamental to 40.000 MHz
- Tape and Reel (1,000 pcs STD)

## OPTIONS

- Tolerances to  $\pm 20$  PPM
- Stabilities to  $\pm 20$  PPM
- Temp Range to  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

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

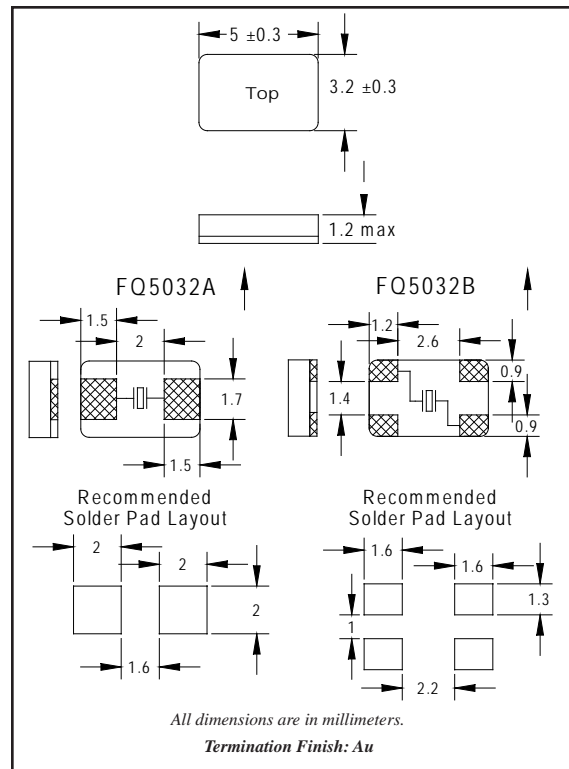
Part Number	Model Number	Frequency Range (MHz)
738A-Frequency-xxxxx	FQ5032A	12.000 ~ 40.000
738B-Frequency-xxxxx	FQ5032B	12.000 ~ 40.000

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

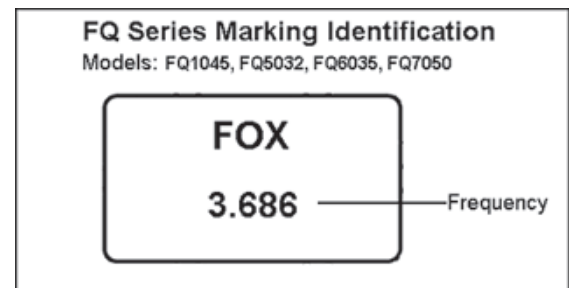
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	12.000 ~ 60.000 MHz
Frequency Tolerance @ 25°C	$\pm 30$ PPM <sup>1</sup>
Frequency Stability, ref @ 25°C Over Operating Temp Range	$\pm 30$ PPM <sup>1</sup>
Temperature Range	
Operating (TOPR)	$0^{\circ}\text{C} \sim +70^{\circ}\text{C}$ <sup>1</sup>
Storage (TSTG)	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Shunt Capacitance (Co)	7 pF
Load Capacitance (CL)	10 pF ~ Series (Customer Specified)
Drive Level	0.5 mW
Aging per year	$\pm 5$ PPM

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

**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 for inaccuracies. All specifications subject to change without notice.



Frequency Range (MHz)	Operating Mode	Max ESR $\Omega$
12.000 ~ 16.000	Fundamental	80
16.000+ ~ 40.000	Fundamental	50



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• TAPE SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY
FQ5032	Ø1.5	4.0	8.0	7.5	16.0	1.2	1,000

• REEL SPECIFICATIONS (millimeters)							
MODEL	G	H	I	J	K	L	M
FQ5032	2.0	Ø13	Ø21	Ø62.5	Ø178	16.4	2.0

