Resin Sealed SMD Crystal

Model: FQ5032 SERIES **RoHS Compliant / Pb Free** **Rev. 6/19/2014**

http://www.foxonline.com/need_a_sample.htm

Need a Sample®

FEATURES

- Surface Mount Resin Sealed
- Low Cost
- Ultra Low Profile
- Fundamental to 48.000 MHz
- Tape and Reel (1,000 pcs STD)

OPTIONS

- Tolerances to ± 20 PPM
- Stabilities to ± 20 PPM
- Temp Range to -40ºC ~ +85ºC

• PART NUMBER

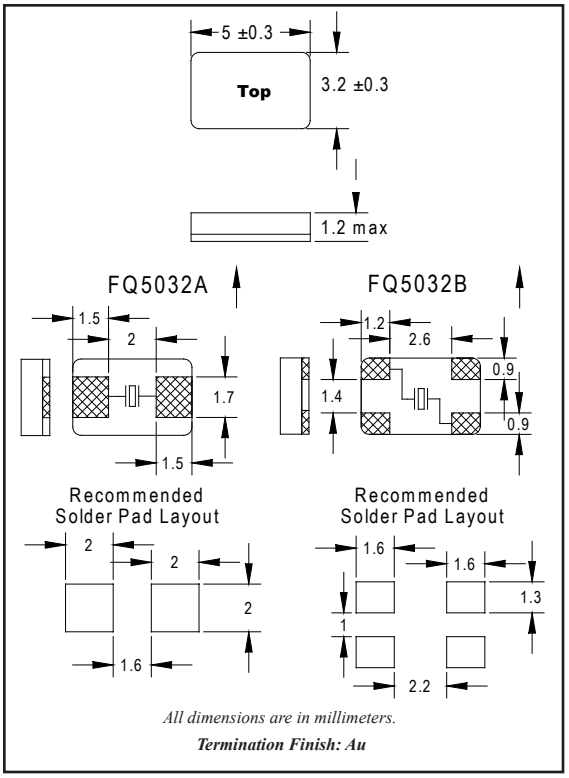
Part Number	Model Number	Frequency Range (MHz)
738A-Frequency-xxxxx	**FQ5032A**	8.000 ~ 60.000
738B-Frequency-xxxxx	**FQ5032B**	8.000 ~ 60.000

• STANDARD SPECIFICATIONS[1]

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	8.000 ~ 60.000 MHz
Frequency Tolerance @ 25ºC	±30 PPM [1]
Frequency Stability, ref @ 25ºC Over Operating Temp Range	±30 PPM [1]
Temperature Range	
Operating (TOPR)	0ºC ~ +70ºC [1]
Storage (TSTG)	-40ºC ~ +85ºC
Shunt Capacitance (Co)	7 pF
Load Capacitance (CL)	10 pF ~ Series (Customer Specified)
Drive Level	0.5 mW
Aging per year	±5 PPM

[1] 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.



All dimensions are in millimeters.

Termination Finish: Au

Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000000 ~ 11.999999	Fundamental	100
12.000000 ~ 16.000	Fundamental	80
16.000001 ~ 48.000	Fundamental	50
48.000001 ~ 60.000	3rd OT	100

Resin Sealed SMD Crystal

Model: FQ5032 SERIES | **RoHS Compliant / Pb Free** | **Rev. 6/19/2014**

http://www.foxonline.com/need_a_sample.htm

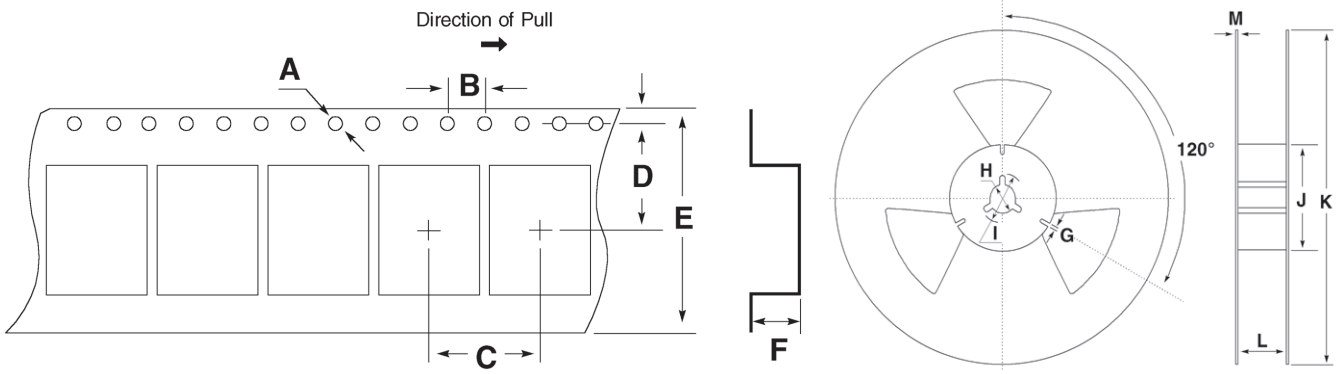
Need a Sample®

• TAPE SPECIFICATIONS (millimeters)

MODEL	A	B	C	D	E	F	STD Reel QTY
FQ5032	∅1.5	4.0	8.0	5.5	12.0	1.5	1,000

• REEL SPECIFICATIONS (millimeters)

MODEL	G	H	I	J	K	L	M
FQ5032	2.0	∅13	∅21	∅62	∅180	13.5	2.0



All specifications subject to change without notice.

• FQ5032 Standard Crystals

Part Number	Frequency	Tolerance	Stability	Temp Range	CL
FQ5032B-10.000	10.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-12.000	12.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-16.000	16.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-20.000	20.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-24.000	24.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-25.000	25.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032BR-10.000	10.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-12.000	12.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-16.000	16.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-20.000	20.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-24.000	24.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-25.000	25.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF