### **Distributor Stocking Part**

# **Part Number: FQ5032BR-16.000**



LEAD-FREE, RESIN-SEALED, SMD, CRYSTAL MODEL: FQ5032B Series

RoHS / REACH Compliant / Pb Free

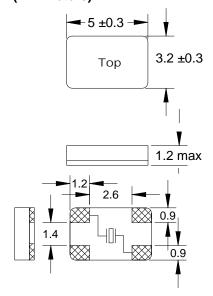
### A. Standard Specifications

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Parameters			
Frequency	16.000 MHz		
Resonance Mode	Fundamental		
Frequency Tolerance @ 25°C	±30 PPM Max		
Frequency Stability, ref @ 25°C Over Operating Temp. Range	±30 PPM Max		
Temperature Range Operating (T <sub>OPR</sub> ) Storage (T <sub>STG</sub> )	-40°C ~ +85°C -40°C ~ +85°C		
Equivalent Series Resistance (ESR)	80 Ohms Max		
Shunt Capacitance (C <sub>O</sub> )	7 pF Max		
Load Capacitance (C <sub>L</sub> )	20 pF		
Drive Level	0.5 mW Max		
Aging per year	±5 PPM Max		
Maximum Soldering Temp / Time	260°C / 10 Seconds		
Moisture Sensitivity Level (MSL)	1		
Termination Finish:	Au		

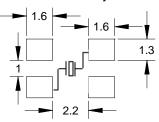
#### FQ Series Marking Identification



# B. Mechanical / Dimensions (millimeters):



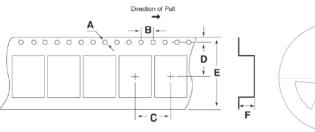
## Recommended Solder Pad Layout

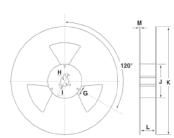


### C. Tape & Reel Specifications

(in millimeters)

Standard reel quantity: 1,000





A =  $\emptyset$ 1.5 B = 4.0 C = 8.0 D = 7.5 E = 16.0 F = 1.2 G = 2.0 H =  $\emptyset$ 13 I =  $\emptyset$ 21 J =  $\emptyset$ 62.5 K =  $\emptyset$ 178 L = 16.4 M = 2.0

<u>NOTE</u>: 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.

Reference / Comments	Title / Description: Product	Title / Description: Product Specifications		
Initial release	Drawing Number: DOC101	Drawing Number: DOC101003 Rev: 1		
	Part Number: FQ5032BF	Part Number: FQ5032BR-16.000		
	Draftsperson: AR A	Approved: GB	Date: 05-20-2014	
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