

# Distributor Stocking Part

# Part Number: FQ5032BR-12.000



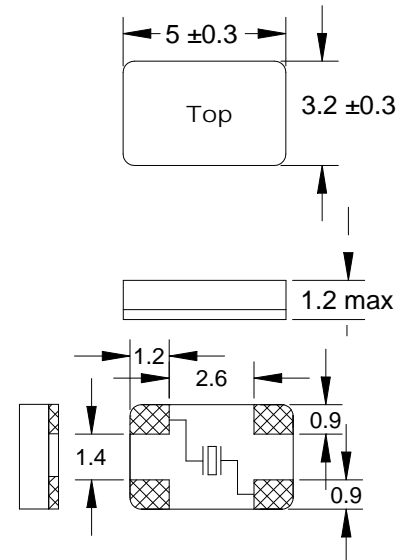
**LEAD-FREE, RESIN-SEALED, SMD, CRYSTAL**  
**MODEL: FQ5032B Series**

*RoHS / REACH Compliant / Pb Free*

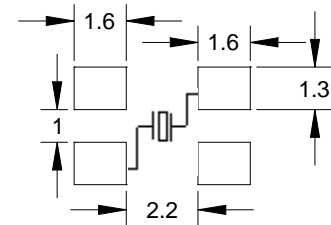
### A. Standard Specifications

| Parameters  |                                |
|---|--------------------------------|
| Frequency   | 12.000 MHz                     |
| Resonance Mode  | Fundamental                    |
| Frequency Tolerance @ 25°C  | ±30 PPM Max                    |
| Frequency Stability, ref @ 25°C<br>Over Operating Temp. Range                     | ±30 PPM Max                    |
| Temperature Range<br>Operating (T <sub>OPR</sub> )<br>Storage (T <sub>STG</sub> ) | -40°C ~ +85°C<br>-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                             |

### B. Mechanical / Dimensions (millimeters):



#### Recommended Solder Pad Layout

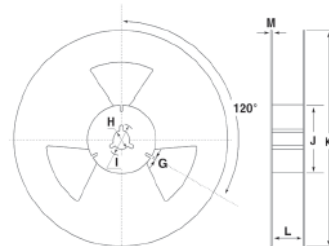
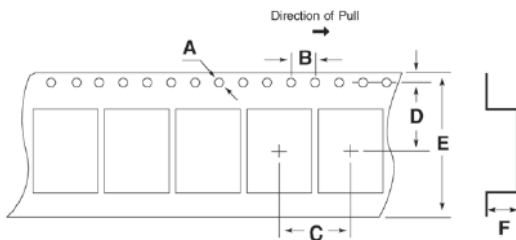


#### FQ Series Marking Identification



### C. Tape & Reel Specifications (in millimeters)

Standard reel quantity: 1,000



- A = Ø1.5
- B = 4.0
- C = 8.0
- D = 7.5
- E = 16.0
- F = 1.2
- G = 2.0
- H = Ø13
- I = Ø21
- J = Ø62.5
- K = Ø178
- L = 16.4
- M = 2.0

**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.

| Reference / Comments | Title / Description: Product Specifications |              |                  |
|----------------------|---|--------------|------------------|
| Initial release      | Drawing Number: DOC101003                   | Rev: 1       | Size: A          |
|                      | Part Number: FQ5032BR-12.000                |              | Cage: 61429      |
|                      | Draftsperson: AR                            | Approved: GB | Date: 05-20-2014 |