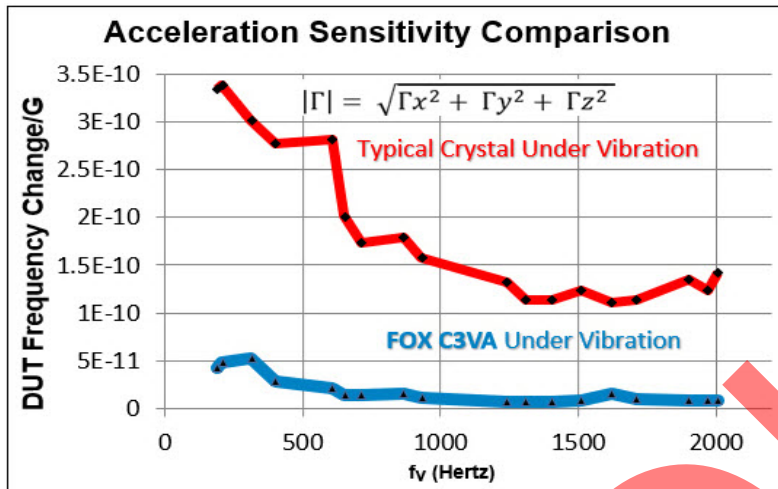
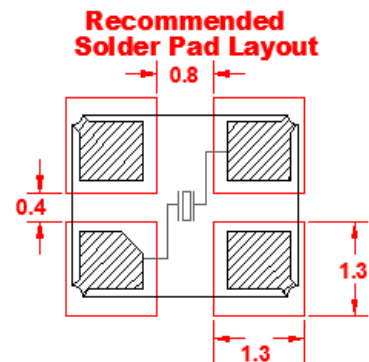
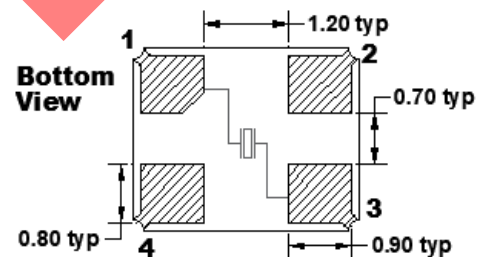
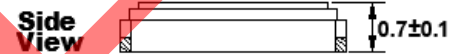
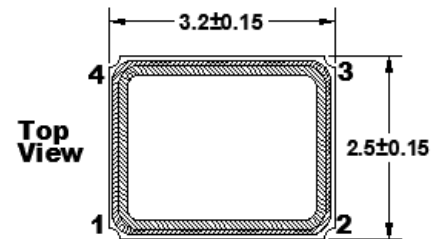


## Features

- Low G sensitivity
- Tolerances down to  $\pm 10$  ppm
- Custom application inquiries invited
- Patented technology



## DIMENSIONS / MECHANICAL SPECIFICATIONS



#2 & #4 connected to metal top

All Dimensions in mm

## STANDARD SPECIFICATIONS

PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	33 ~ 52 MHz
Resonance Mode	Fundamental
Frequency Tolerance @ 25°C	(See options below)
Frequency Stability, ref 25°C	(See options below)
Temperature Range	
Operating ( $T_{OPR}$ )	(See options below)
Storage ( $T_{STG}$ )	-55°C ~ +125°C
Equivalent Series Resistance (ESR)	60Ω Max
Shunt Capacitance ( $C_0$ )	3.0 pF
Load Capacitance ( $C_L$ )	(See options below)
Drive Level	100μW
Aging per year (@ 25°C)	±5 PPM
Vibration Sensitivity	0.2 ppb/G
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL) per J-STD-033	N/A
Termination Finish	Au (0.3~0.75μm) over Ni (1.27~8.89μm)
Seal Method	Seam
Lead (Pb) Free	Yes
RoHS Compliant	Yes, no exemptions
RoHS/REACH Compliant	Yes

# FC3VR

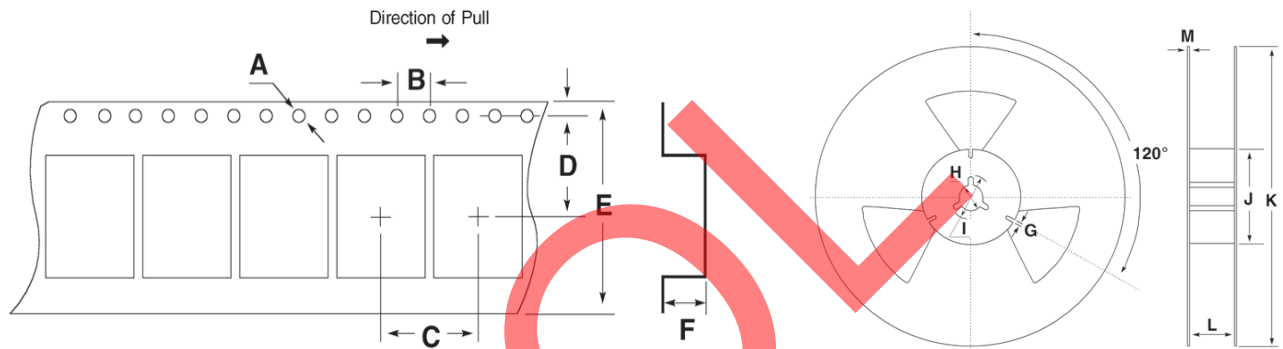
## 3.2mm x 2.5mm Vibration Resistant Crystal



AVAILABLE OPERATING TEMPERATURES AND STABILITIES				
Operating Temperature	±20 PPM	±25 PPM	±30 PPM	±50PPM
-20 ~ +70°C	O	O	O	O
-40 ~ +85°C	O	O	O	O

Key: O = Available.

TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	STD REEL QTY	G	H	I	J	K	L	M
ø1.5	4.0	4.0	3.5	8.0	1.3	-T3 = 3,000 Default -T1 = 1,000	2.0	ø13	ø21	ø80	ø180	9.0	2.0



Available Options & Part Identification for Crystal Model C3VR <sup>1</sup>							
Sample PN: <b>FC3VREEGM40.0-T3</b>							
F	C3VR	E	E	G	M	40.0	-T3
<b>Fox</b>	<b>Model Number</b>	<b>Tolerance</b> B = ±50PPM C = ±30PPM D = ±25PPM <b>E = ±20PPM</b> F = ±15 PPM H = ±10 PPM	<b>Stability</b> B = ±50PPM C = ±30 PPM D = ±25 PPM <b>E = ±20 PPM</b>	<b>Load Capacitance<sup>2</sup></b> V = 7 pF D = 8 pF W = 9 pF E = 10 PF <b>G = 12 pF</b> J = 15 PF K = 16 PF	<b>Operating Temperature</b> F = -20 ~+70°C <b>M = -40 ~ +85°C</b>	<b>Frequency (MHz)</b>	<b>Values Added Options</b> Blank = Bulk T1 = 1,000 pcs <b>T3 = 3,000 pcs</b>

<sup>1</sup> Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

<sup>2</sup> Listed load capacitances represent the most commonly used. Other load capacitances are available. Contact us for assistance

Reliability Test Conditions
Please contact Abracon Quality Assurance department

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