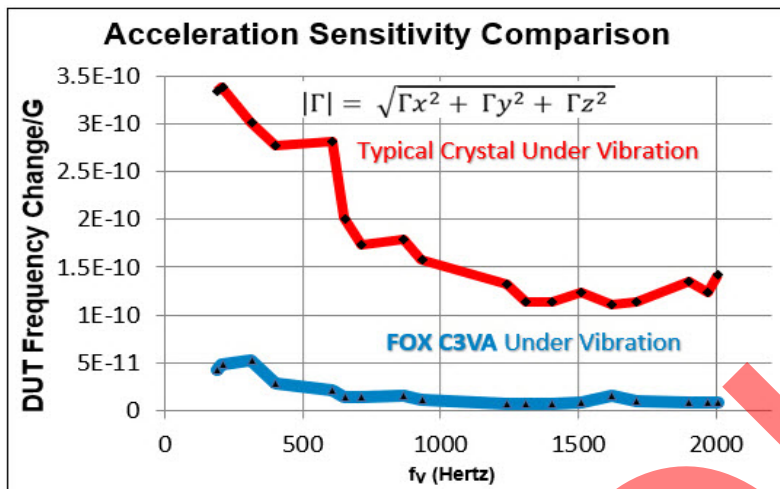


Features

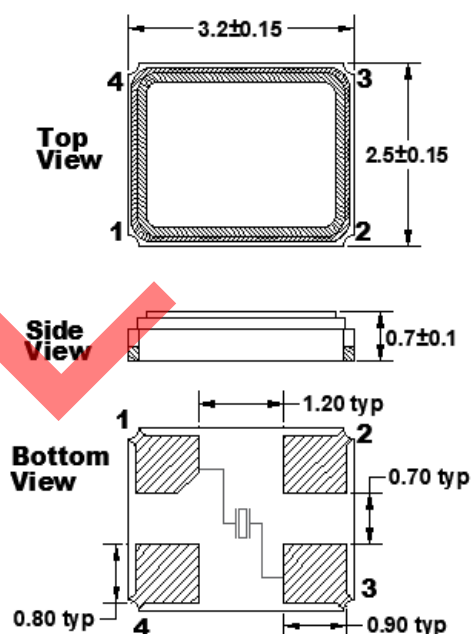
- Low G sensitivity
- Tolerances down to ± 10 ppm
- Custom application inquiries invited
- Patented technology



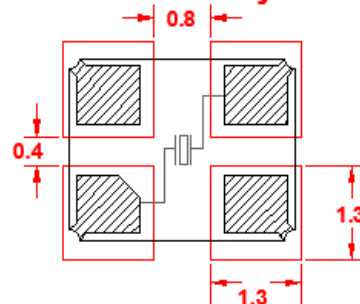
STANDARD SPECIFICATIONS

| 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 |

DIMENSIONS / MECHANICAL SPECIFICATIONS



Recommended Solder Pad Layout



#2 & #4 connected to metal top

All Dimensions in mm

AVAILABLE OPERATING TEMPERATURES AND STABILITIES

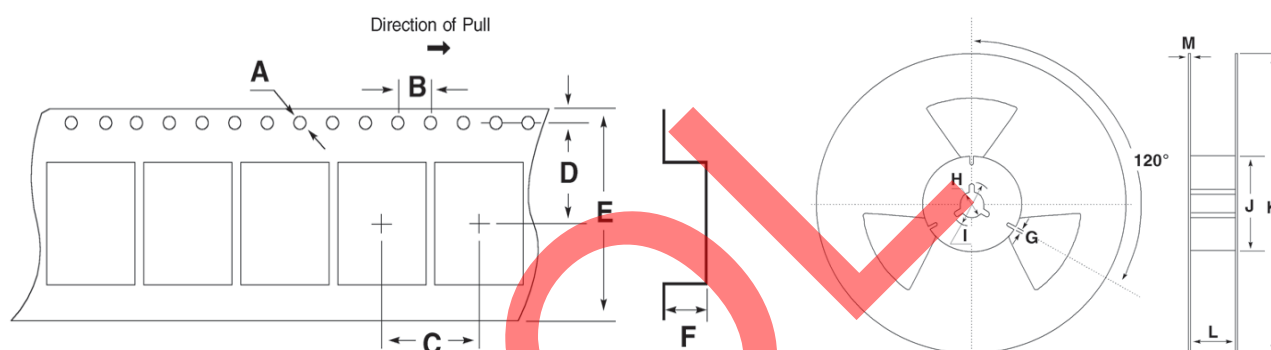
| Operating Temperature | ±20 PPM | ±25 PPM | ±30 PPM | ±50PPM |
|-----------------------|---------|---------|---------|--------|
| -20 ~ +70°C | O | O | O | O |
| -40 ~ +85°C | O | O | O | O |

Key: O = Available.

TAPE SPECIFICATIONS (mm)

| 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 |

REEL SPECIFICATIONS (mm)

Available Options & Part Identification for Crystal Model C3VR¹Sample PN: **FC3VREEGM40.0-T3**

| F | C3VR | E | E | G | M | 40.0 | -T3 |
|------------|---------------------|---|--|--|--|------------------------|--|
| Fox | Model Number | Tolerance B = ±50PPM C = ±30PPM D = ±25PPM E = ±20PPM F = ±15 PPM H = ±10 PPM | Stability B = ±50PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM | Load Capacitance² V = 7 pF D = 8 pF W = 9 pF E = 10 PF G = 12 pF J = 15 PF K = 16 PF | Operating Temperature F = -20 ~+70°C M = -40 ~ +85°C | Frequency (MHz) | Values Added Options Blank = Bulk T1 = 1,000 pcs T3 = 3,000 pcs |

¹ Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.² 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[FC3VREEDM38.4-T1](#) [FC3VREEDM38.4-T3](#) [FC3VREEDM38.88-T1](#) [FC3VREEDM38.88-T3](#) [FC3VREEGM40.0-T1](#)
[FC3VREEGM40.0-T3](#) [FC3VREEGM50.0-T1](#) [FC3VREEGM50.0-T3](#) [FC3VREEGM36.0-T1](#) [FC3VREEGM36.0-T3](#)
[FC3VREEGM38.4-T1](#) [FC3VREEGM38.4-T3](#) [FC3VREEGM38.88-T1](#) [FC3VREEGM38.88-T3](#) [FC3VREEDM40.0-T1](#)
[FC3VREEDM40.0-T3](#) [FC3VREEDM48.0-T1](#) [FC3VREEDM48.0-T3](#) [FC3VREEEM38.4-T1](#) [FC3VREEEM38.4-T3](#)