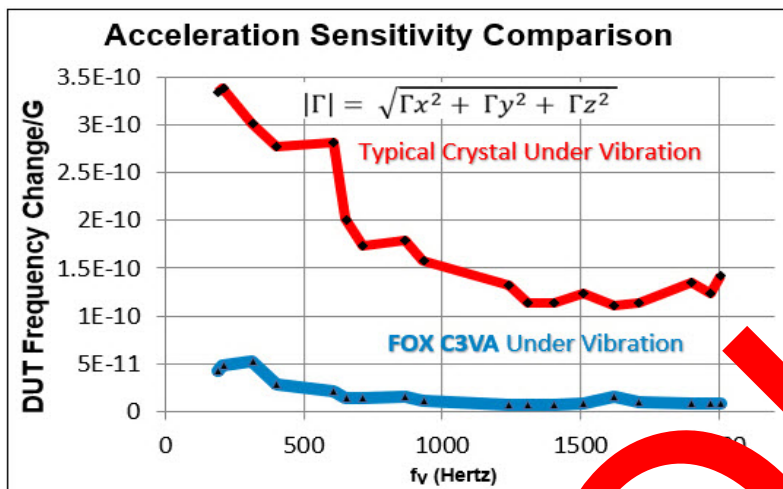


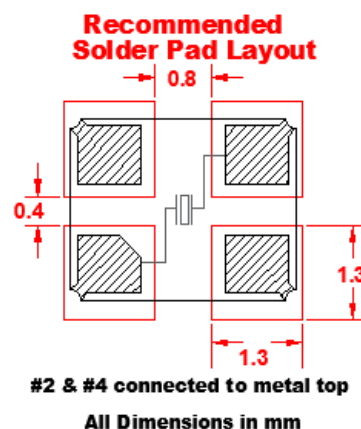
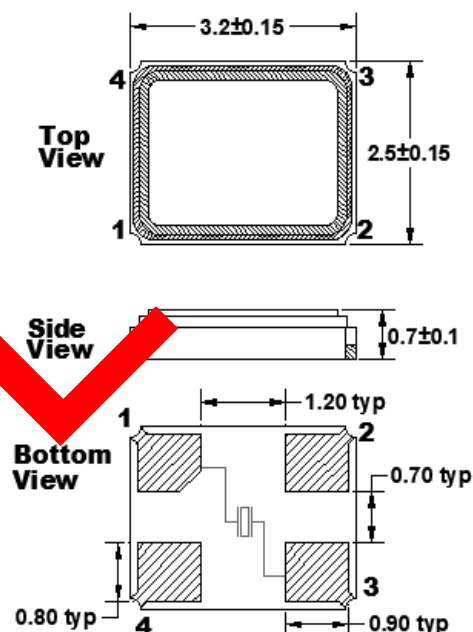
Features

- AEC-Q200 Qualified
- Low G sensitivity
- Tolerances down to ± 10 ppm
- Custom application inquiries invited
- Patented technology



STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	32 ~ 32 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})	-40 ~ +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	1
Termination Finish	Au (0.3~1μm) over Ni (1.27~8.89μm)
Seal Method	Seam
Lead (Pb) Free	Yes
RoHS/REACH Compliant	Yes

DIMENSIONS / MECHANICAL SPECIFICATIONS



AVAILABLE OPERATING TEMPERATURES AND STABILITIES

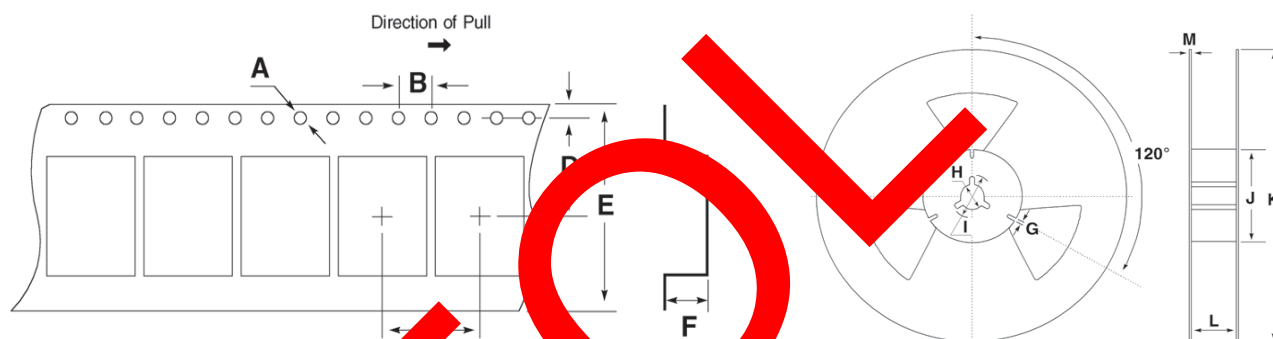
Operating Temperature	±20 PPM	±25 PPM	±30 PPM	±50PPM	±100 PPM
-20 ~ +70°C	O	O	O	O	NA
-40 ~ +85°C	O	O	O	O	NA
-40 ~ +105°C	X	X	X	O	O
-40 ~ +125°C	X	X	X	X	O

Key: O = Available, X = Not Available, NA = Not Applicable.

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 -T2 = 2,000 -T1 = 1,000	2.0	ø13	ø21	ø80	ø180	9.0	2.0

Available Options & Part Identification for C3VA¹Sample PN: **FC3VAEEGM40.0-T3**

F	C3VA	E	E	G	M	40.0	-T3
<u>Fox</u>	<u>Model Number</u>	<u>Tolerance</u>	<u>Stability</u>	<u>Load Capacitance</u> ²	<u>Operating Temperature</u>	<u>Frequency (MHz)</u>	<u>Values Added Options</u>
		B = ±50PPM C = ±30PPM D = ±25PPM E = ±20PPM F = ±15 PPM H = ±10 PPM	A = ±100 PPM B = ±50PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	V = 7 pF D = 8 pF W = 9 pF E = 10 PF G = 12 pF J = 15 PF K = 16 PF	F = -20 ~ +70°C M = -40 ~ +85°C P = -40 ~ +105°C I = -40 ~ +125°C		Blank = Bulk T1 = 1,000 pcs T2 = 2,000 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:

[FC3VAEEDM38.4-T1](#) [FC3VAEEDM38.4-T3](#) [FC3VAEEDM38.88-T1](#) [FC3VAEEDM38.88-T3](#) [FC3VAEEDM40.0-T1](#)
[FC3VAEEDM40.0-T3](#) [FC3VAEEDM48.0-T1](#) [FC3VAEEDM48.0-T3](#) [FC3VAEEEM38.4-T1](#) [FC3VAEEEM38.4-T3](#)
[FC3VAEEGM36.0-T1](#) [FC3VAEEGM36.0-T3](#) [FC3VAEEGM38.88-T1](#) [FC3VAEEGM38.88-T3](#) [FC3VAEEGM40.0-T1](#)
[FC3VAEEGM40.0-T3](#) [FC3VAEEGM50.0-T1](#) [FC3VAEEGM50.0-T3](#)