

STANDARD SPECIFICATIONS

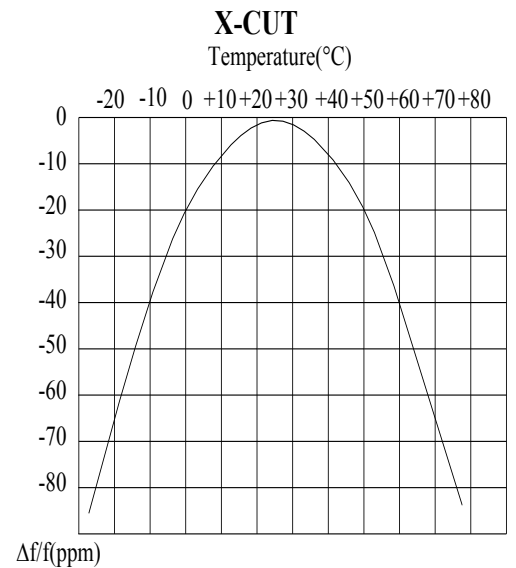
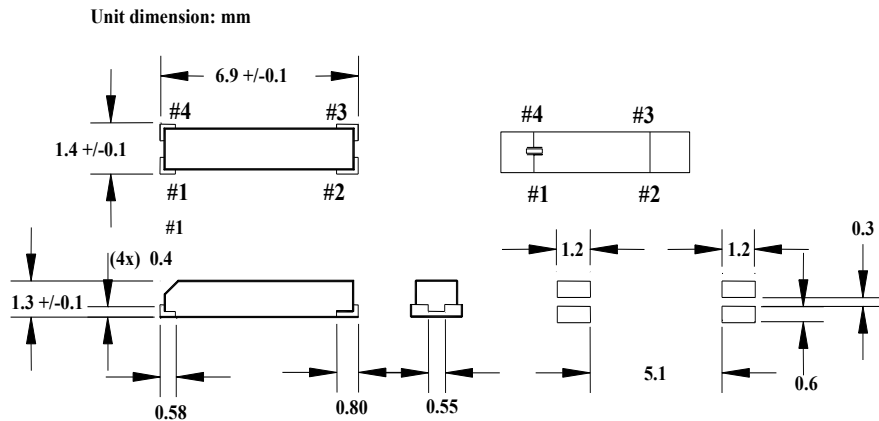
Frequency Range	32.768 KHz
Frequency Tolerance (25 °C)	± 20 ppm Standard (see Crystal Part Number Guide for more details)
Load Capacitance (CL)	12.5 pF Standard (see Crystal Part Number Guide for more details)
Shunt Capacitance (Co)	1.2 pF Typical
Motional Capacitance	0.0023 pF Typical
Equivalent Series Resistance (E.S.R.)	65 kΩ max
Capacitance Ratio	520 Typical
Turnover Temperature	+25 °C ± 5 °C
Aging	First year: ± 3 ppm max at +25 °C
Drive Level	1.0μW max
Parabolic Curvature Constant	-0.034 ppm ±0.006 ppm / °C ² , Typical
Insulation resistance	500 M Ohms min.
Shock	± 5ppm max
Sealing	1x10 ⁻² μPa.m ³ /s max
Operating Temperature Range	-20 °C to +70 °C Standard (see Crystal Part Number Guide for more details)
Storage Temperature Range	-55 °C to +125 °C Standard
Holder Type	QV3R

Ordering Instructions (see Crystal Part Number Guide for more details)

Example: QVS Part # = QV3R-7XCF12.5-32.768KHz

QV3R-	±20ppm(@ 25°)	See Graph	-20°C~+70°C	Mode	Load Cap.	Freq.
	7	X	C	F	12.5pF	-32.768 KHz

*See Engineering-Technical Info for Solder Re-flow and Tape and Reel Specs.



TYPICAL TEMPERATURE CHARACTERISTICS

QVS TECH INC

6965 El Camino Real, Ste 105 Carlsbad, CA 92009 Phone: 760-929-8677 Fax: 760-929-8077 email: sales@qvstech.com
Specifications subject to change without notice (Rev A)