

STANDARD SPECIFICATIONS

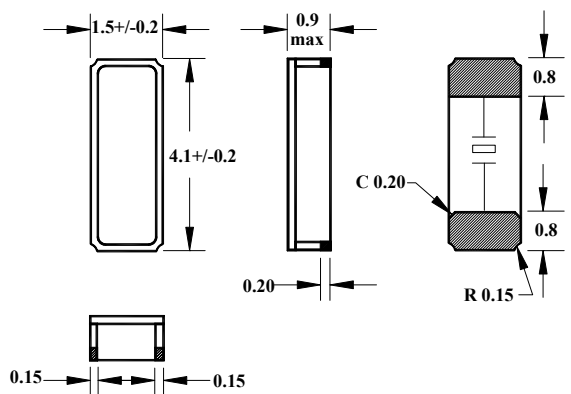
Frequency Range	32.768 KHz
Frequency Tolerance (25 °C)	± 20 ppm (see Crystal Part Number Guide for more details)
Load Capacitance (CL)	12.5 pF Standard or 7 pF
Shunt Capacitance (Co)	0.9 pF to 1.0pF, Typical
Motional Capacitance	0.0020 pF Typical
Equivalent Series Resistance (E.S.R.)	70 kΩ max
Turnover Temperature	+25 °C ± 5 °C
Aging	± 3 ppm max at +25 °C
Drive Level	0.5 μW max
Parabolic Curvature Constant	-0.03 ± 0.1 ppm / °C ² , max
Reflow Soldering Condition	10 seconds max at +260 °C
Insulation resistance	500 Mohms min. at 100 Vdc ± 15 Vdc
Operating Temperature Range	-40 °C to +85 °C Standard (see Crystal Part Number Guide for more details)
Storage Temperature Range	-40 °C to +85 °C Standard
Holder Type	QV3Y

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

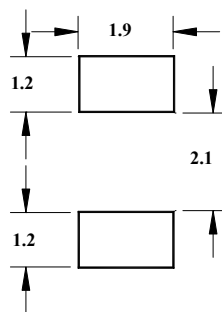
Example: QVS Part # = QV3Y-2XAF12.5-32.768KHz

	±20ppm(@ 25°)	See Graph	-40°C~+85°C	Mode	Load Cap.	Freq.
QV3Y-	7	X	D	F	12.5pF	-32.768 KHz

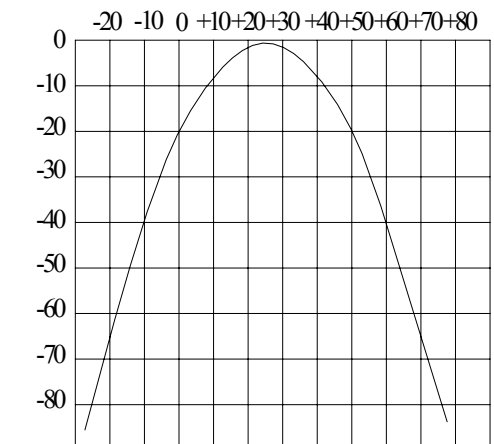
UNIT DIMENSION: mm



Pad Layout



X-CUT
Temperature(°C)



TYPICAL TEMPERATURE CHARACTERISTICS

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