

SURFACE MOUNT CRYSTAL UNIT

SPECIFICATIONS	XL-1CE
Frequency Range	8MHz to 40MHz
Frequency Tolerance	±100ppm (Inclusive of calibration and temperature)
1st Yr. Aging	±5ppm Maximum
Operating Temperature Range	-40°C to +85°C
Shunt Capacitance	7pF Maximum
Equivalent Series Resistance	See Table 1
Load Capacitance	See Table 1
Drive Level	0.1mW Typical
Shock Resistance (Note 1)	±5ppm Maximum
Vibration Resistance (Note 2)	±5ppm Maximum
Insulation Resistance	500M Ohm Minimum at DC100 ±15V

Note 1 - (Shock Test Standard): 3 times from 75cm height onto a hard wooden board.

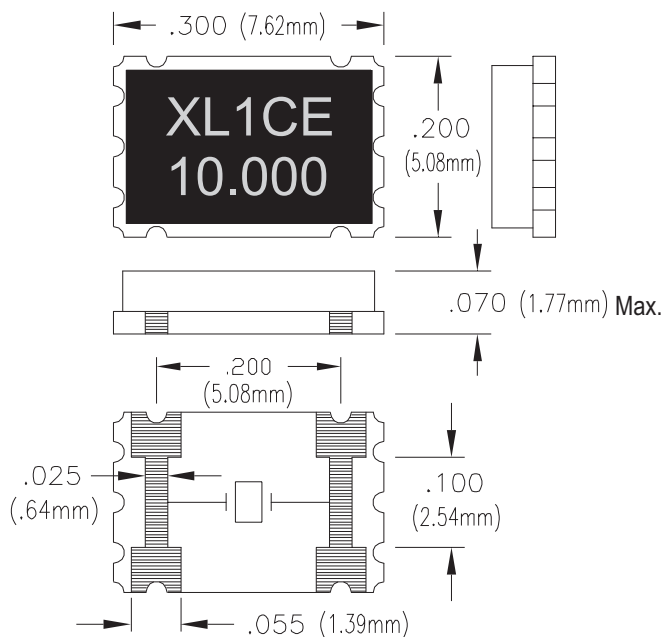
Note 2 - (Vibration Test Standard): 10 to 500Hz, Amplitude: 1.5mm or 10G, whichever is smaller.

Note 3 - RoHS Compliant / Lead Free

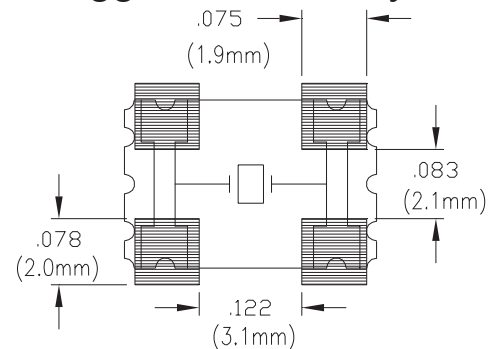
TABLE 1

Frequency Range	Mode of Oscillation	E.S.R.	CL
8.000MHz to 15.999MHz	Fundamental	60 ohm Max	16pf
16.000MHz to 50.000MHz	Fundamental	40 ohm Max	16pf
28.000MHz to 84.000MHz	3rd Overtone	60 ohm Max	Series
84.001MHz to 100.000MHz	5th Overtone	80 ohm Max	Series

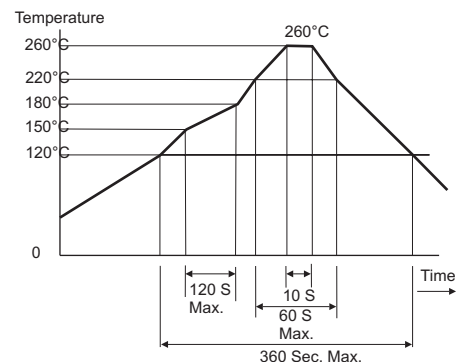
Package Outline



Suggested Pad Layout



Solder Profile



Meets IPC/JEDEC J-STD-020C