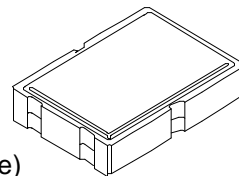




Pletronics, Inc.

19013 36th Ave. West • Suite H • Lynnwood, WA 98036, USA

SM13T, SM13TS Crystal



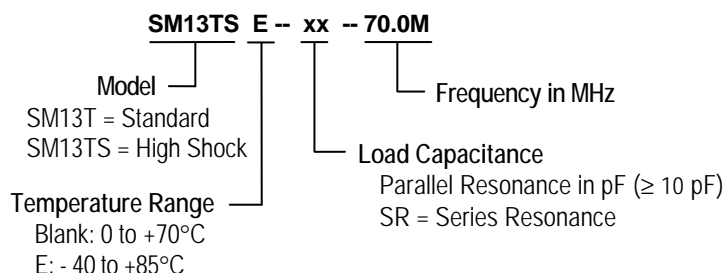
- 4 Pad 7x5mm Surface Mount Crystal (Metal Cover Seam Sealed to Ceramic Base)
- SM13TS Specifically Designed for High Shock Applications
- Solder Pad Compatible with our SM13H

8.000 MHz – 72.000 MHz

Standard Specifications

Calibration Frequency Tolerance at 25°C	± 50 PPM is standard, tighter tolerances available
Operating Temperature Range (OTR)	0 to +70°C is standard, but can be extended to -40 to +85°C
Frequency Stability (FS) over OTR	± 50 PPM is standard, tighter tolerances available
Drive Level	100 mW is standard, customer may specify
Aging at 25°C	± 3 PPM maximum
SM13TS Only { Mechanical Shock	5000 g's, 1/2 sine, 0.2 mS
Drop Test	2 meter free fall onto a concrete floor, 10 times

Part Numbering Guide



ESR Values

Oscillation Mode	Frequency Range (MHz)	Maximum ESR (Ohms)
Fundamental	8.000 – 10.000	60
AT Cut	10.001 – 11.999	50
	12.000 – 15.999	40
	16.000 – 40.000	30
3rd Overtone	24.000 – 40.000	80
AT Cut	40.001 – 72.000	70

Consult factory for available frequencies and specs.

Consult factory for lower ESR

Not all options available for all frequencies. A special part number may be assigned.

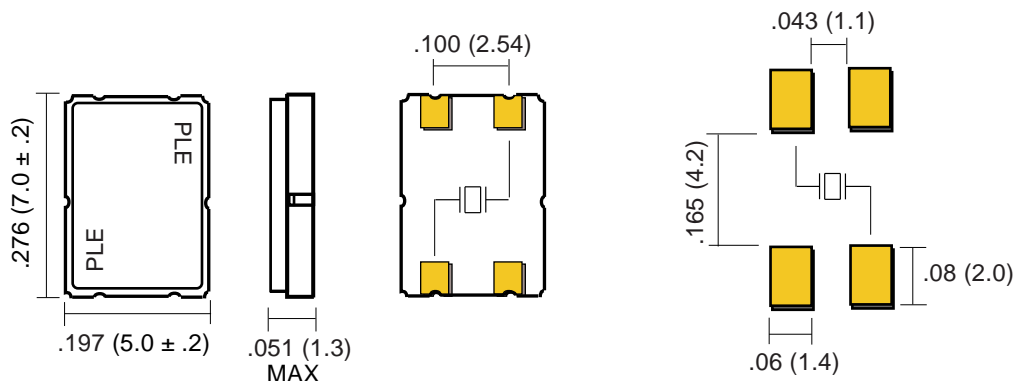
Mechanical: inches (mm)

not to scale

Solder Pads

Due to part size and factory abilities, part marking may vary from lot to lot and may contain our part number or an internal code.

Packaging
16mm tape
12mm pitch



May 2002