

Pletronics, Inc.

19013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA Manufacturer of High Quality Frequency Control Products

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

6.001 MHz - 80.000 MHz

Standard Specifications

D = 10/20 (consult factory)

Calibration Frequency Tolerance at 25°C Operating Temperature Range (OTR) Frequency Stability (FS) over OTR Drive Level Aging at 25°C		 ± 50 PPM is standard, tighter tolerances available 0 to +70°C is standard, but can be extended to -40 to +85°C ± 50 PPM is standard, tighter tolerances available 100 mW is standard, customer may specify ± 3 PPM maximum 			
SM13TS Only { Mechanical Shock Drop Test		5000 g's, 1/2 sine, 0.2 mS 2 meter free fall onto a concrete floor, 10 times			
Part Numbering Guide				ESR Values	
Portions of the part number that appear after the frequency may not be marked on part (C of C provided)			Oscillation Mode	Frequency Range (MHz)	Maximum ESR (Ohms)
SM13TS B E - xx - 70.0M - XXX (Internal Code or blank)			Fundamental	6.001 - 8.000	150
Model SM13T: Standard		ncy in MHz	AT Cut	8.001 - 9.000 9.001 - 11.000 11.001 - 50.000	80 40 30
SM13TS: High Shock	Load Capacital Parallel Reso SR = Series	onance in pF (≥ 10 pF)	3rd Overtone AT Cut	26.000 - 80.000	80
Blank = 50/50 A = 30/50 B = 30/30 C = 15/30	L Temperature Range Blank: 0 to +70°C E: - 40 to +85°C		Consult factory for lower ESR		

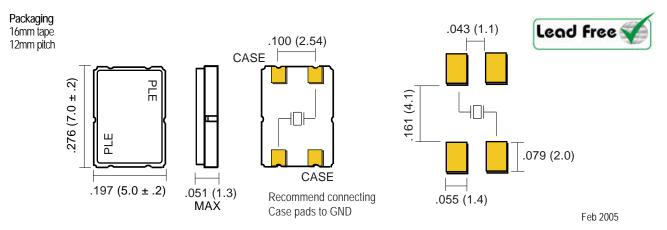
Consult factory for available frequencies and specs.

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

H: - 20 to +70°C

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.



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