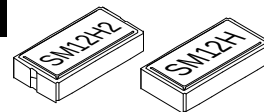




Pletronics, Inc.

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

SM12H, SM12H2 Crystal



• 2 or 4 Pad 6x3.5mm Surface Mount Crystal (Ceramic Cover / Ceramic Base)

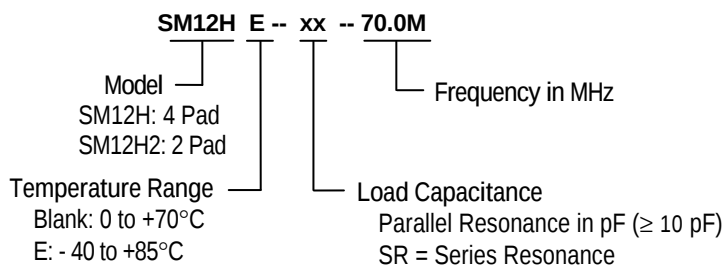
• SM12H Solder Pad Compatible with our SM12T

13.000 MHz – 120.000 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 nW is standard, customer may specify
Aging at 25°C	± 5 PPM maximum

Part Numbering Guide



Consult factory for available frequencies and specs.

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

ESR Values

Oscillation Mode	Frequency Range (MHz)	Maximum ESR (Ohms)
Fundamental AT Cut	13.000 – 20.000	80
Fundamental AT Cut	20.001 – 40.000	50
3rd Overtone AT Cut	25.001 – 120.000	100

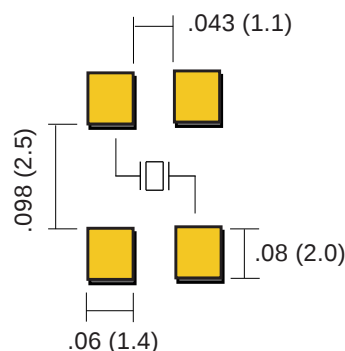
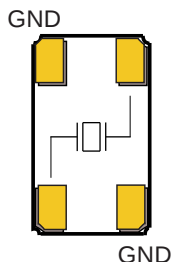
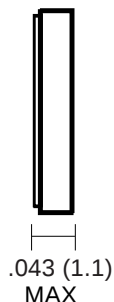
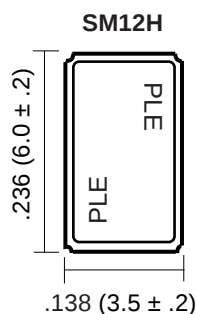
Consult factory for lower ESR

Mechanical: inches (mm)

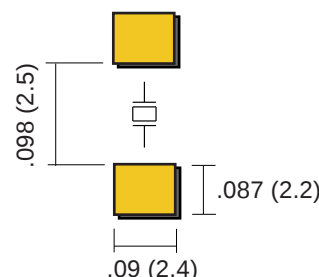
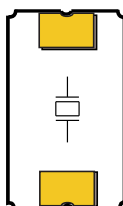
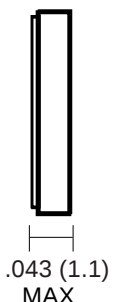
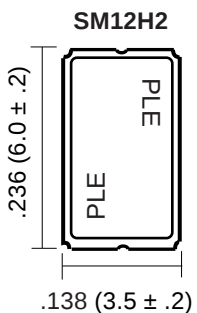
not to scale

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
8mm pitch



Feb 2002