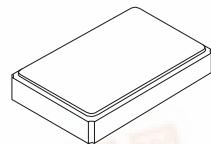


Preliminary

- **Surface Mount Seam Weld Package**
- **Excellent Reliability Performance**
- **Good Frequency Perturbation and Stability over Temperature**

The XTL1005 is a surface mount 5.0 x 3.2 mm crystal unit for use in wireless telecommunications devices, especially for a need of ultra miniature package for mobility.

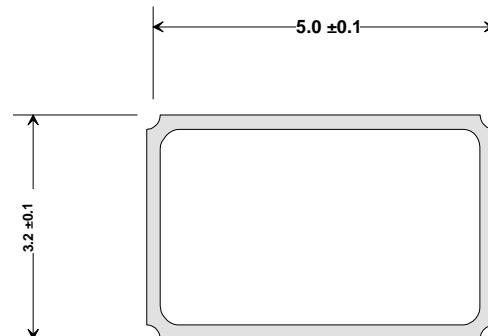
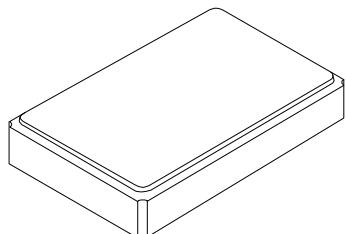
XTL1005**9.84375 MHz
Crystal Unit****SM5032-4 Case****Electrical Characteristics**

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Nominal Frequency				9.843750		MHz
Mode of Oscillation				Fundamental		
Storage Temperature Range			-40		+125	°C
Operating Temperature Range			-40		+125	°C
Frequency Stability over Operating Temperature Range				±50ppm (referred to the value at 25°C)		
Frequency Make Tolerance	FL			±50ppm at 25°C ±3°C		
Equivalent Series Resistance	ESR				100	Ω
Nominal Drive Level				10		uW
Shunt Capacitance	Co				5	pF
Load Capacitance	CL			3		pF
Lid Symbolization (in addition to Lot and/or Date Codes)				1005 YWWS		

**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.****Notes:**

1. The design, manufacturing process, and specifications of this device are subject to change without notice.

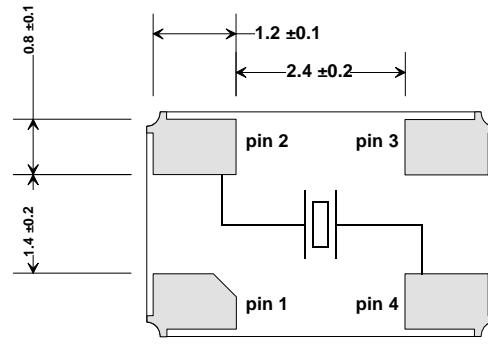
SM5032-4 Case

4-Terminal Surface-Mount Seam Weld Case
5.0 x 3.2 mm Nominal Footprint

Top View

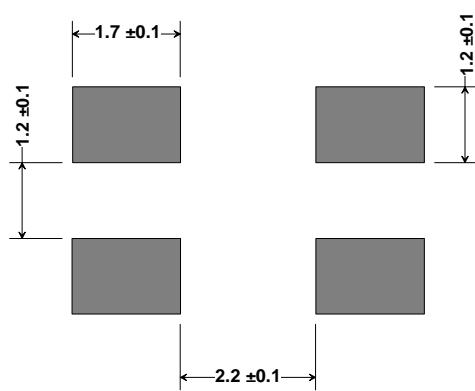


Side View

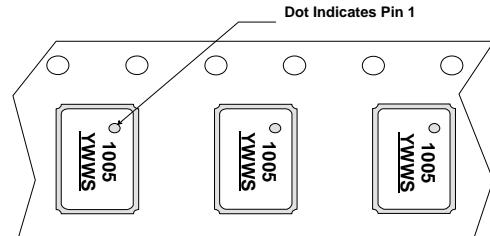


Bottom View

Package Dimensions (mm)



Footprint (mm)



Package Orientation in Carrier Tape