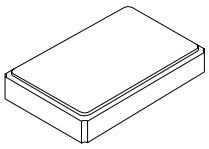
XTL1012

24.26500 MHz Crystal Unit

- ***Ultra-miniature Surface Mount Seam-Weld Package***
- ***Good Frequency Stability over Temperature***
- ***Excellent Reliability***
- ***Complies with Directive 2002/95/EC (RoHS)***

The XTL1012 is a surface mount 2.5 x 2.0 x 0.6 mm crystal unit for use in wireless telecommunications devices, especially where an ultra-miniature package is needed for mobility.

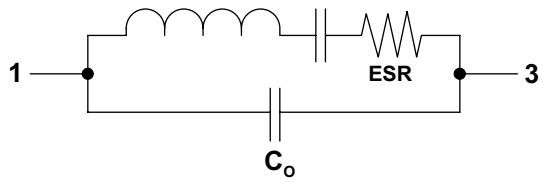


SM2520-4 Case

Electrical Characteristics

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Nominal Frequency	F_O			24.26500		MHz
Mode of Oscillation				Fundamental		
Storage Temperature Range			-40		+85	°C
Operating Temperature Range			-40		+85	°C
Frequency Stability over Operating Temperature Range				±15 ppm (referred to the value at 25 °C)		
Frequency Make Tolerance	F_L			±10 ppm @ 25 °C ±3 °C		
Equivalent Series Resistance	ESR				60	Ω
Nominal Drive Level				10		µW
Shunt Capacitance	C_O				1	pF
Load Capacitance	C_L			12		pF
Aging				1 ppm/year		
Stanard Shipping Quantity on 178 mm (7") Reel				3000		units
Lid Symbolization (in addition to Lot and/or Date Codes)				2D YW		

Crystal Equivalent Circuit



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

Notes:

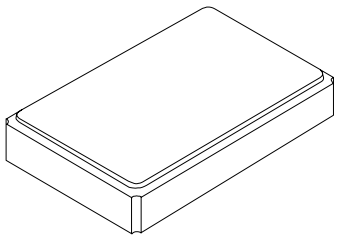
1. The design, manufacturing process, and specifications of this device are subject to change without notice.

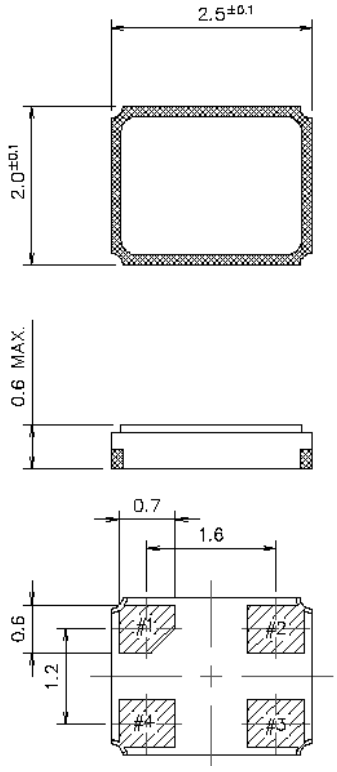
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SM2520-4 Case

4-Terminal Surface-Mount Case

2.5 x 2.0 mm Nominal Footprint

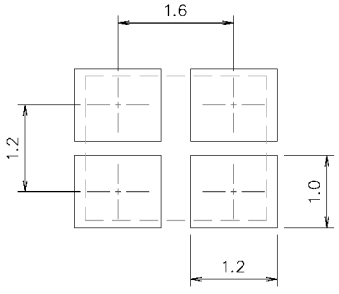




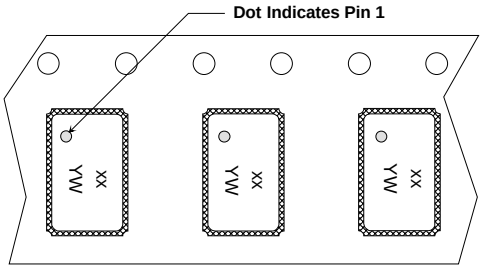
Package Dimensions (mm)

Electrical Connections

Pin	Connection
1	IN/OUT
2	GND
3	IN/OUT
4	GND



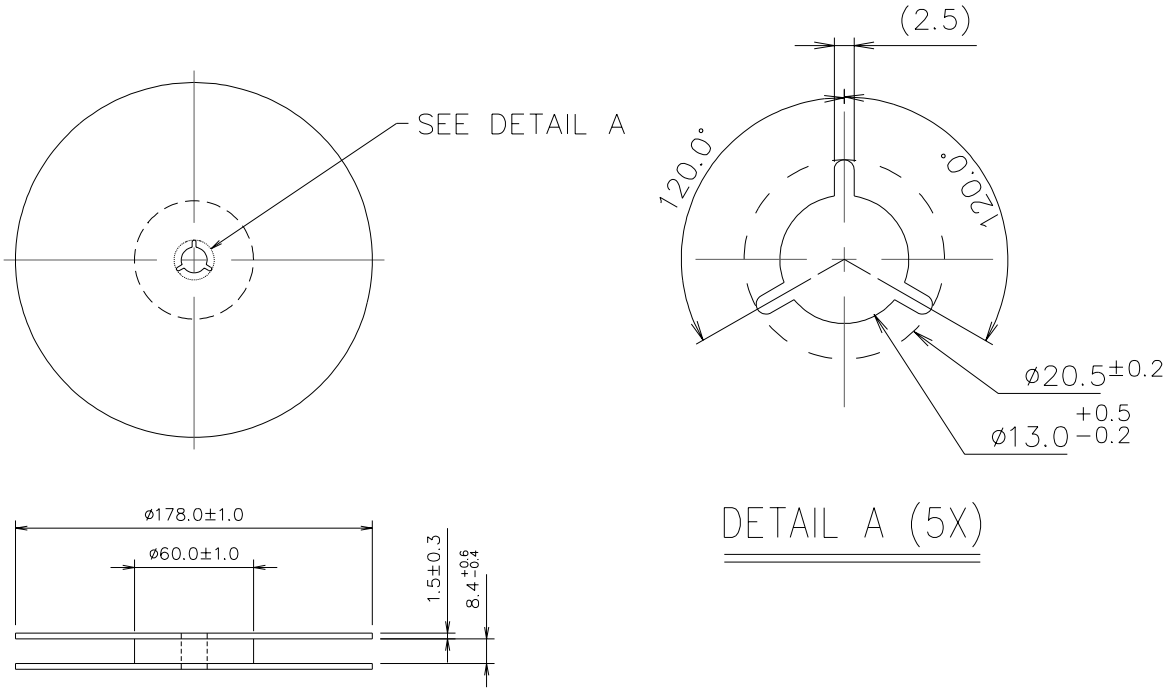
Land Pattern (mm)



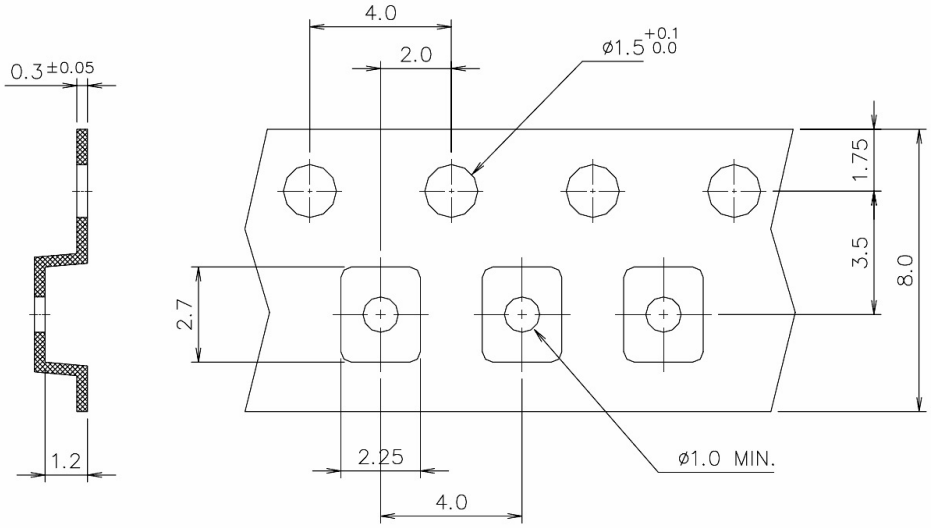
Package Orientation in Carrier Tape

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Reel Dimensions



Tape Dimensions



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