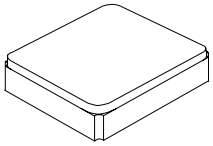
XTL1018

24.26500 MHz Crystal Unit

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

The XTL1018 is a surface mount 2.0 x 1.6 mm crystal unit for use in wireless telecommunications devices, especially where an ultra-miniature package is needed for mobility.

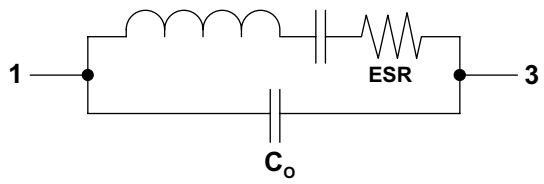


SM2016-4

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				±30 ppm		
Equivalent Series Resistance	ESR				60	Ω
Nominal Drive Level			8	10	12	uW
Shunt Capacitance	C_O				2	pF
Load Capacitance	C_L			12		pF
Insulation Resistance				500 MΩ min @ 100V DC		
Aging				±1.0 ppm		
Stanard Shipping Quantity on 178 mm (7") Reel				1000		units
Lid Symbolization (in addition to Lot and/or Date Codes)				2Q // YW		

Crystal Equivalent Circuit



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

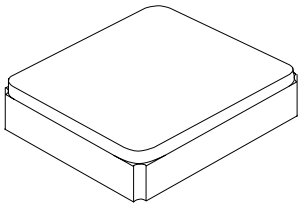
Notes:

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

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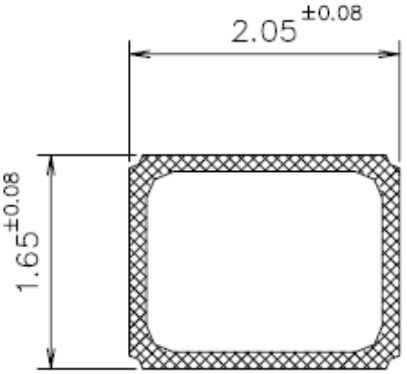
SM2016-4 Case

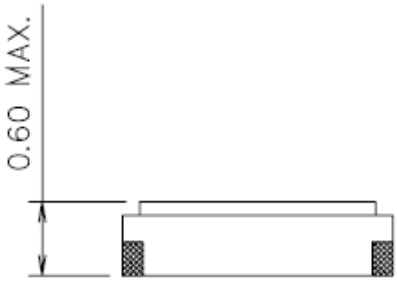
4-Terminal Ceramic Surface-Mount Case
2.0 X 1.6 mm Nominal Footprint

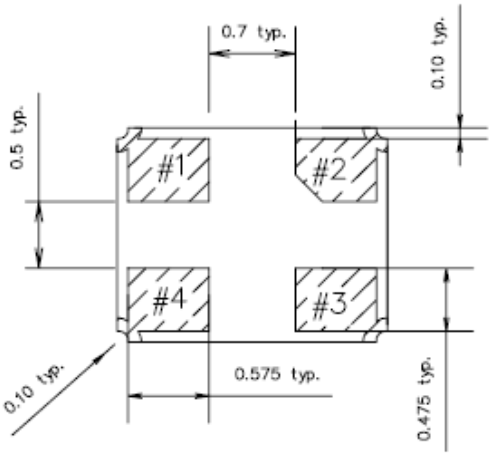


Electrical Connections

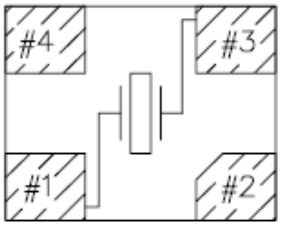
Connection	Terminals
Input / Output	1
Input / Output	3
Ground	2 & 4



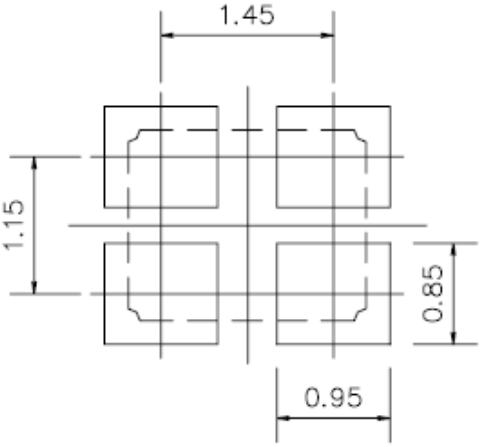




Internal Connections
(Top View)



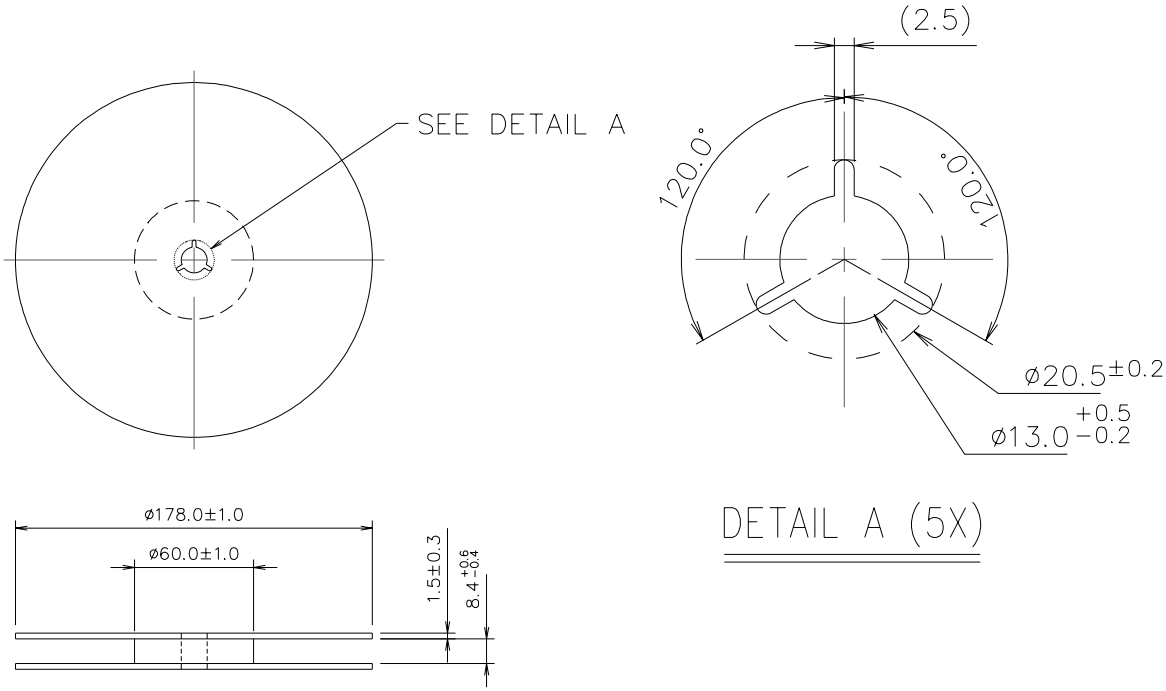
[NOTE] #2=NC, #4 is connected with a metal cover



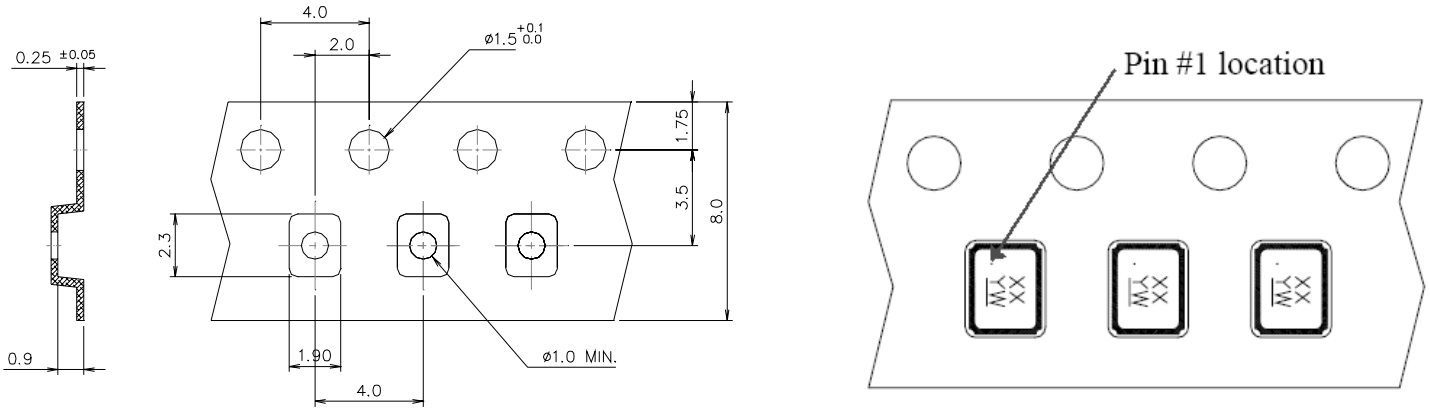
Recommended Land Pattren

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Reel Dimensions (mm):



Tape Dimensions (mm):



NOTE:

1. Unless otherwise specified tolerance on dimension +/-0.1 mm.
2. Material: conductive polystyrene with color black.
3. 10 pitch cumulative tolerance +/-0.2 mm.

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