Preliminary



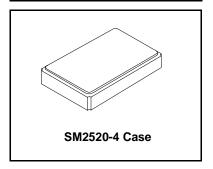
XTL1021G

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



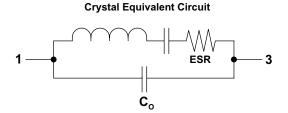
The XTL1021G is a surface mount 2.5 x 2.0 x 0.6 mm crystal unit for use in wireless telecommunications devices, especially where an ultra-miniature package is required.

16.000000 MHz Crystal Unit



Electrical Characteristics

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Nominal Frequency	Fo			16.000000		MHz
Load Capacitance	C _L			12		pF
Mode of Vibration			Fundamental			
Drive Level				10		μW
Frequency Make Tolerance	FL		±10 ppm @ 25 °C ±3 °C			ppm
Resistance	ESR				100	Ω
Static Shunt Capacitance	Co			3.0		pF
Insulation Resistance, 100 VDC			500			ΜΩ
Frequency Stability Over Operating Temperature Range			±10 ppm (referred to the value at 25 °C)			
Storage Temperature Range			-40		85	°C
Aging					±1	ppm/yr
Operating Temperature Range			-10		60	°C
Standard Shipping Quantity on 178 mm (7") Reel				3000		units
Lid Symbolization	3M // <u>YW</u>					





CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

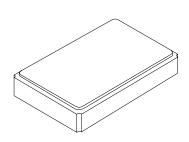
Notes:

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

SM2520-4 Case

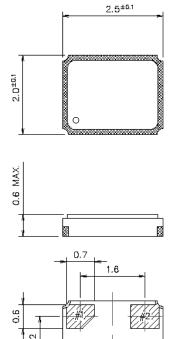
4-Terminal Surface-Mount Case

2.5 x 2.0 mm Nominal Footprint

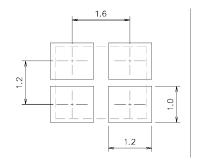


Electrical Connections

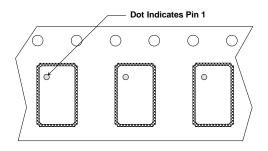
Pin	Connection		
1	IN/OUT		
2	GND		
3	IN/OUT		
4	GND		



Package Dimensions (mm)

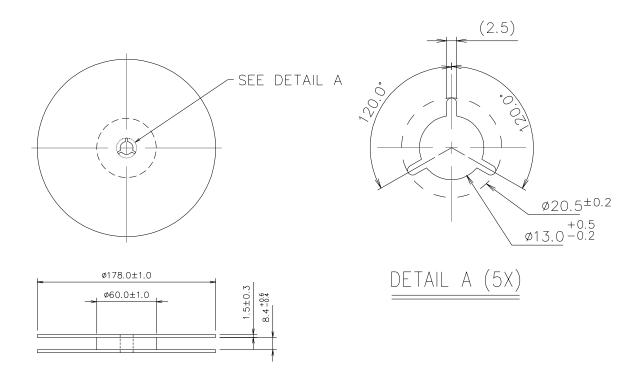


Land Pattern (mm)



Package Orientation in Carrier Tape

Reel Dimensions



Tape Dimensions

