



Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable

➤ **FEATURES:**

- 3.2 x 2.5 x 0.9mm miniature package
- Low current consumption: 1.8mA max
- Vc function corresponds to PLL circuits
- Suitable for RoHS reflow profile

➤ **APPLICATIONS:**

- Cellular and cordless phones
- Standard OSC for test equipment
- Mobile communication equipment
- Portable radio equipment and music player
- PLL

➤ **STANDARD SPECIFICATIONS:**

Parameters		Minimum	Typical	Maximum	Units	Notes
Center Frequency		19.200			MHz	
Operating Temperature		-40		+85	°C	
Storage Temperature		-40		+85	°C	
Frequency Stability $\Delta f/f_0$ vs						
Tolerance (@+25°C) after reflow		-2.0		+2.0	ppm	@Vc = 2.0±0.2V
Temperature (ref. to +25°C)		-2.0		+2.0	ppm	
Supply Voltage Change (Vdd±5%)		-0.2		+0.2	ppm	
Load Change (ZL±10%)		-0.2		+0.2	ppm	
Supply Voltage (Vdd)		+3.135	+3.3	+3.465	V	
Aging (first year @+25°C)		-1.0		+1.0	ppm	
Supply Current (Icc)				1.8	mA	
Voltage Control Function	Control Voltage (Vc)	+1.0	+2.0	+3.0	Vdc	
	Frequency Tuning Range	±8			ppm	
	Frequency Tuning Transition	Positive				
	Input Impedance	500	650		kΩ	
Output	Voltage	0.8			Vp-p	
	Load	10kΩ//10pF				
	Waveform	Clipped Sine Wave				
Phase Noise			-135		dBc	@1kHz

SMD VCTCXO

ASVTX-11-121-19.200MHz-T



ESD Sensitive

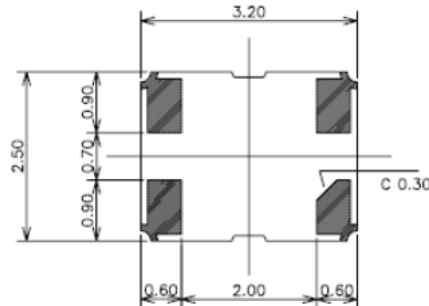
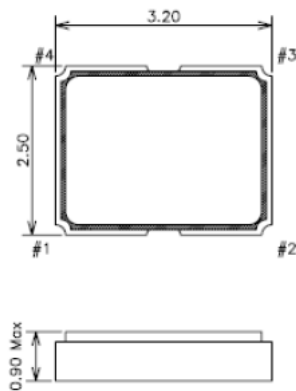


RoHS/RoHS II compliant

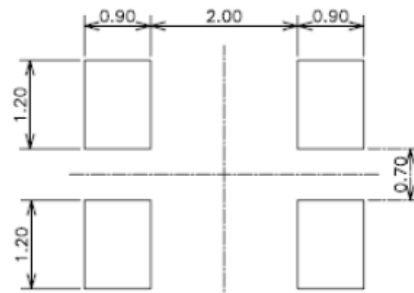


3.2 X 2.5 X 0.9mm

OUTLINE DIMENSION:



Recommended Land Pattern



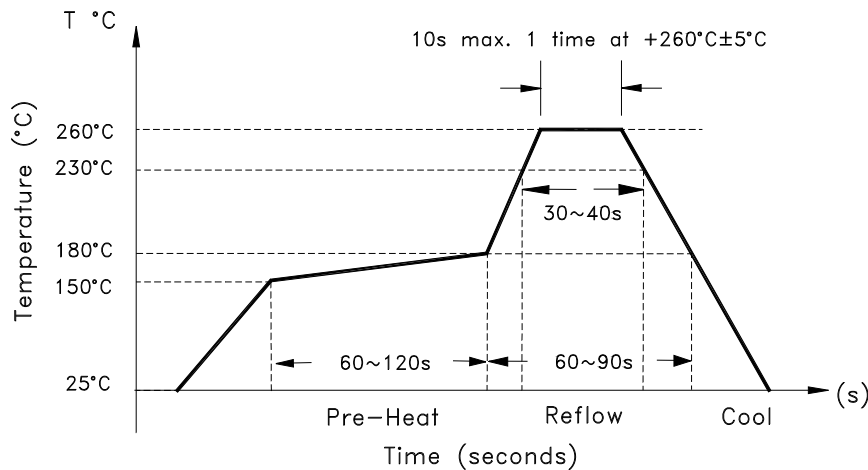
Pin	Function
1	Vc
2	GND
3	Output
4	Vdd

Note 1: It is not recommended that paths go underneath the oscillator. If needed, please use multi-layer PCB board or resist coating.

Note 2: Recommend using an approximately 0.01μF bypass capacitor between Pin 2 and 4.

Dimensions: mm

REFLOW PROFILE:



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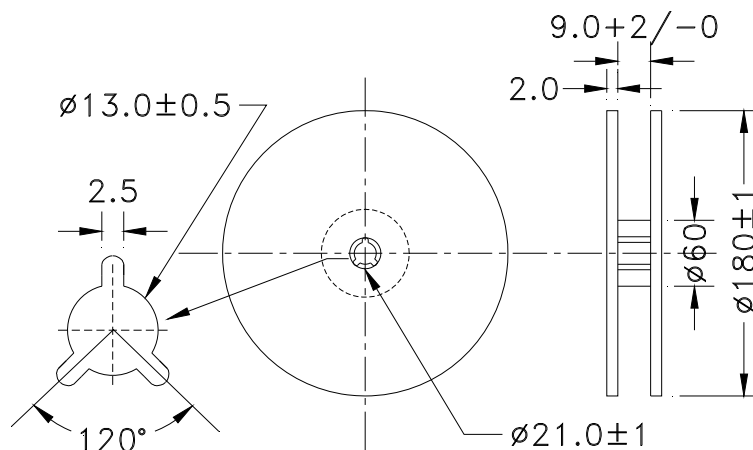
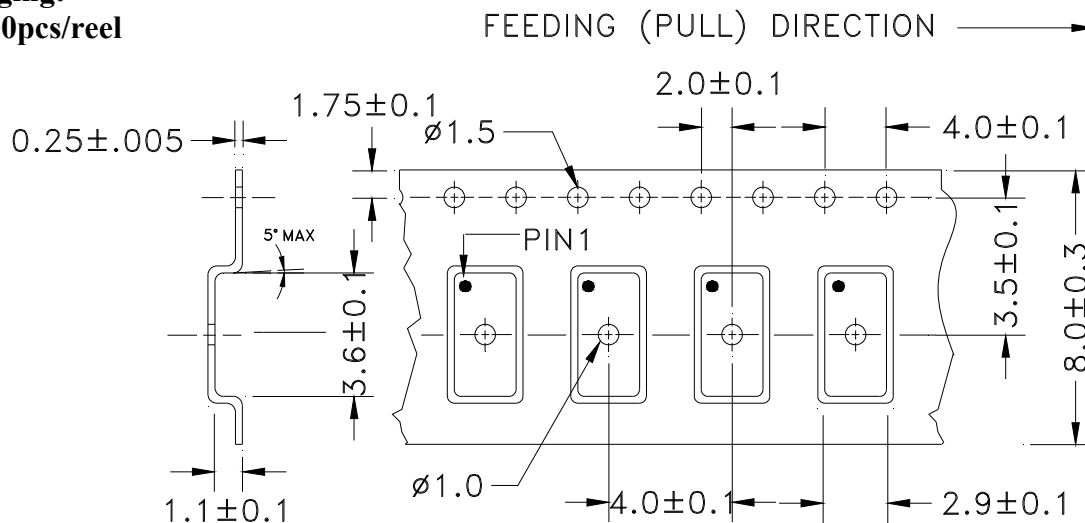


3.2 X 2.5 X 0.9mm

TAPE & REEL:

Packaging:

T: 2000pcs/reel



Dimensions: mm

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