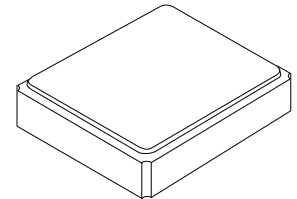




XVT9003

**19.200 MHz
VCTCXO**



SM3225-4 Case

- **Voltage Controlled Temperature Compensated Crystal Oscillator**
- **Application: Wireless Communication Devices**
- **Excellent Frequency Stability & Phase Noise Response**
- **3.2 x 2.5 x 1.3 mm Surface-Mount Case**
- **Complies with Directive 2002/95/EC (RoHS)**



Electrical Characteristics

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Nominal Frequency	Fo			19.20000		MHz
Storage Temperature Range			-40		+85	°C
Operating Temperature Range			-30		+80	°C
Power Supply Voltage	Vcc			2.8		V
Output Voltage with Load 10pF//10KΩ	Vout			0.8		Vp-pmin
Output Waveform			Clipped Sinewave			
Power Supply Current	Icc				1.5	mA
Control Voltage	Vcon			1.4±1.0		V
Frequency Tolerance (Vcon=1.4V) after Two Reflows			±1.5 ppm max @ 25°C ±3°C			
Frequency Stability		a. Vs. Temperature (-30 ~80°C)		±2.5		ppm
		b. Vs. Load varied 10pF//10KΩ±10%		±0.2		ppm
		c. Vs. Supply Voltage varied 2.8±5%		±0.2		ppm
Vcon Frequency Control Range (1.4±1.0V)				±5.5 ~ ±9.5		ppm
Start Up Time (90% of final RF level in Vp-p)					3.0	msec
Harmonics					-5.0	dBc
Aging			±1.0 ppm/year @ 25°C			
Lid Symbolization (in addition to Lot and/or Date Codes)			TBD			



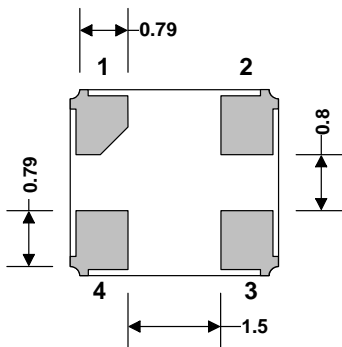
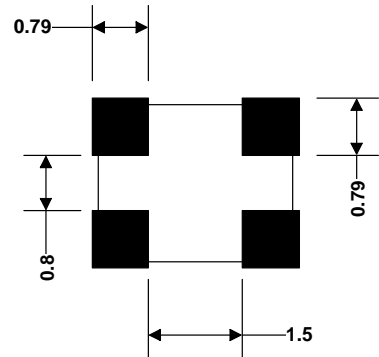
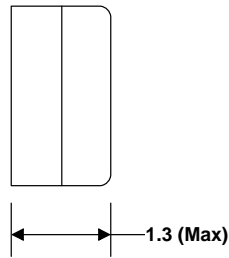
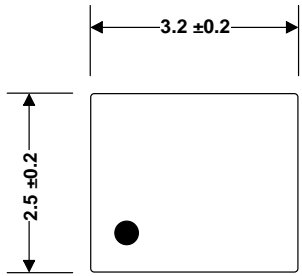
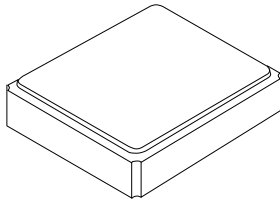
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

Notes:

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

SM3225-4a Case

4-Terminal Surface-Mount Seam Weld Case 3.2 x 2.5 mm Nominal Footprint



Pin	Connection
1	Vt
2	GND/CASE GND
3	Fout
4	Vdd