



- *Temperature Compensated Crystal Oscillator*
- *Minature SMD 5.0x3.2x1.4mm Thin Package*
- *Good Frequency Stability*
- *Good Phase Noise Response*

XTC7001

**18.414 MHz
TCXO**



Electrical Characteristics

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Nominal Frequency	F _O			18.41400		MHz
Storage Temperature Range			-40		+85	°C
Operating Temperature Range			-40		+85	°C
Power Supply Voltage	V _{DD}			3		V
Output Voltage with Load 10pF//10KΩ	V _{OUT}		0.8			V _{p-p}
Power Supply Current	I _{CC}				2.0	mA
Output Waveform			Clipped Sinewave			
Frequency Tolerance			±2.0 ppm max @ 25°C ±3°C			
Frequency Stability		a. Vs. Temperature (-40~85°C)		±2.5		ppm
		b. Vs. Load varied 10pF//10KΩ±10%		±0.2		ppm
		c. Vs. Supply Voltage varied 3V ±5%		±0.2		ppm
Start Up Time (90% of final RF level in V _{p-p})					3.0	msec
Harmonics					-7.0	dBc
Lid Symbolization (in addition to Lot and/or Date Codes)			Line1: 7001 Line2: YWWS			



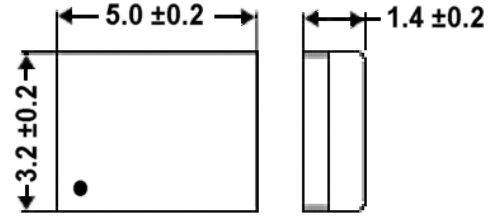
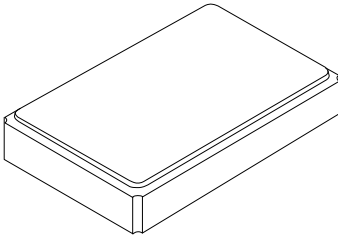
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

Notes:

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

SM5032-8 Case

8-Terminal Surface-Mount Case 5.0 x 3.2 mm Nominal Footprint



Electrical Connections

Pin	Connection
1	NC/GND
2	Floating
3	Floating
4	GND/CASE GND
5	Fout
6	Floating
7	Floating
8	VDD

