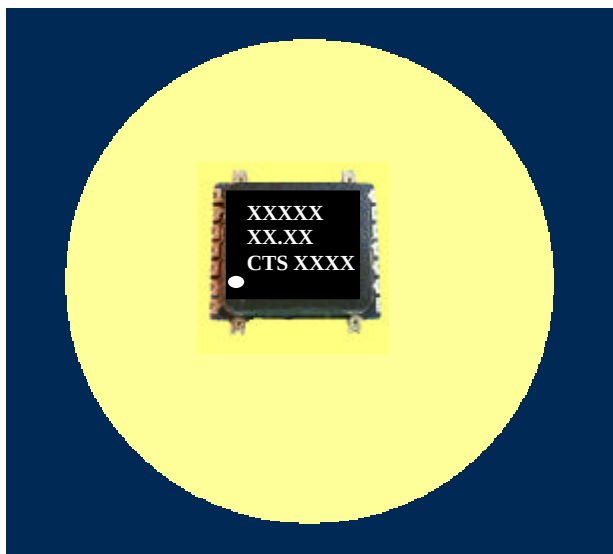


Features:

- Stable frequency over temperature
- Good SSBN Noise performance
- Surface Mount Package

Description and Applications:

Surface mount 11x11 mm Voltage Control Temperature Compensated Crystal Oscillator (VCTCXO) for use in 3G, GSM, TDMA, CDMA, PDAs, Satellite handsets, 2-way radios, Pagers, Analog applications, and other portable electronics requiring a stable frequency source.

**Electrical Specifications:**

OSC1221A, C	Specification
Nominal Frequency	16.8 MHz
Supply Voltage (Vdd)	A: 3V $\pm$ 10% C: 5V $\pm$ 5%
Frequency Stability over Temperature	$\pm$ 1.5 PPM (-30C to 80C)
RF output (DC Coupled)	A and C: 0.8 Vpp minimum, Sinewave
Current Drain	A and C: <2 mA maximum
Frequency Adjust Method	External DC Voltage
Frequency Adjust Center Voltage (Vcc)	A: 1.5 VDC C: 2.5 VDC
Frequency Adjust Range	$\pm$ 10 PPM minimum
SSBN @ 16.8 MHz at 10 kHz offset	-140 dBc/Hz maximum
Aging	$\pm$ 1 PPM/Yr @25C

Model: OSC1221A, C**Rev 021401**

Mechanical Dimensions:

