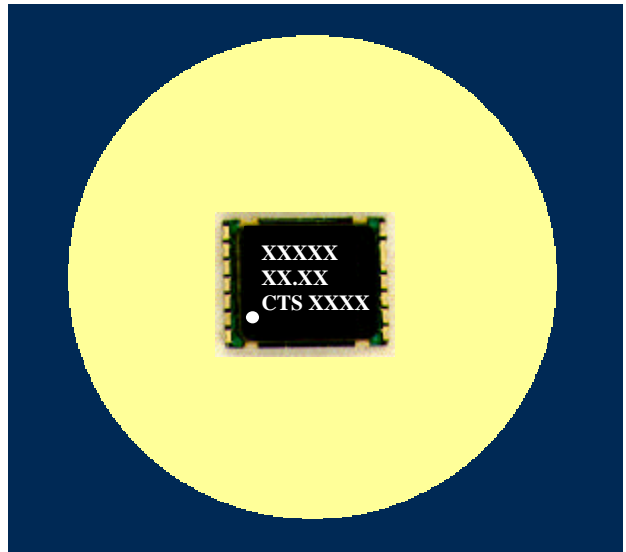


**Features:**

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

**Description and Applications:**

Surface mount 9x11 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:**

OSC1213A, C	Specification
Nominal Frequency	13.0 MHz
Supply Voltage (Vdd)	A: 3V ± 10%    C: 5V ± 5%
Frequency Stability over Temperature	± 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 (Sinewave)
Frequency Adjust Method	External DC Voltage
Frequency Adjust Center Voltage (Vcc)	A: 1.5 VDC    C: 2.5 VDC
Frequency Adjust Range	± 10 PPM minimum
SSBN @ 16.8MHz at 10 kHz offset	-140 dBc/Hz maximum
Aging	± 1 PPM/Yr @25C

**Mechanical Dimensions (mm):**

