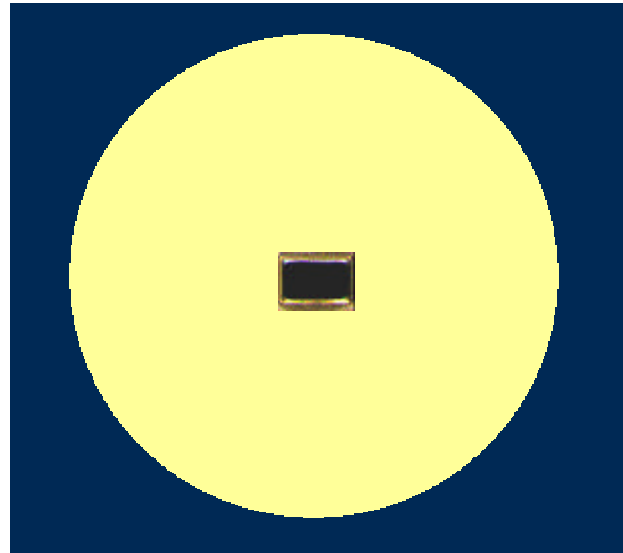


**Features:**

- Stable frequency over temperature
- Good SSBN Noise performance
- Surface mountable package

**Description and Applications:**

Surface mount 3.2 x 5 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:**

OSC1603A	Specification
Nominal Frequency	19.44 MHz
Supply Voltage (Vdd)	2.75 V $\pm$ 0.1 V
Frequency Stability over Temperature	$\pm$ 2.5 PPM (-30 C to 75C)
RF output (AC Coupled)	0.6 Vpp (minimum) Clipped Sinewave
Current Drain	1.5 mA maximum
Frequency Adjust Method	Analog DC Frequency Adjust
Frequency Adjust Center Voltage (Vcc)	1.35 VDC
Frequency Adjust Range	$\pm$ 12 PPM to $\pm$ 25 PPM (1.35 V $\pm$ 1.05 V )
SSBN @ 16.8MHz at 10kHz offset	-140dBc/Hz Typical
Aging	$\pm$ 1PPM/Yr @25C

Mechanical Dimensions (mm):

