



WIRELESS COMPONENTS

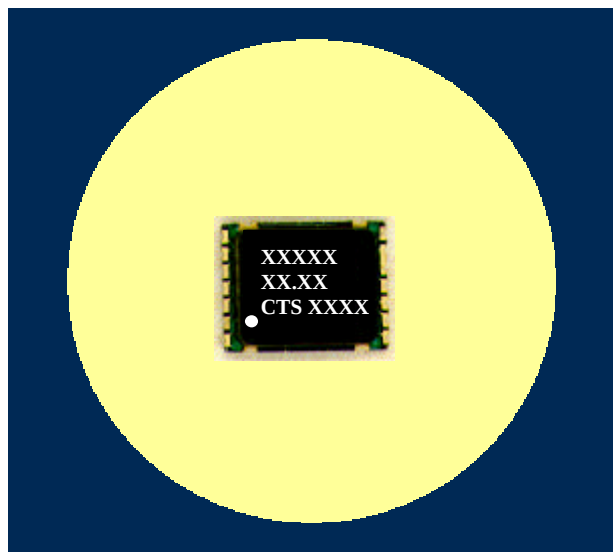
Model OSC1214B, D VCTCXO - Apex

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:

OSC1214B, D	Specification
Nominal Frequency	14.85 MHz
Supply Voltage (Vdd)	B: 3V $\pm$ 10% D: 5V $\pm$ 5%
Frequency Stability over Temperature	$\pm$ 2.5 PPM (-30 C to 85C)
RF output (DC Coupled)	B and D: 0.8 Vpp minimum, Sinewave
Current Drain	B and D: <2 mA maximum (Sinewave)
Frequency Adjust Method	External DC Voltage
Frequency Adjust Center Voltage (Vcc)	B: 1.5 VDC D: 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: OSC1214B, D

Rev 021401

Mechanical Dimensions (mm):

