



WIRELESS COMPONENTS

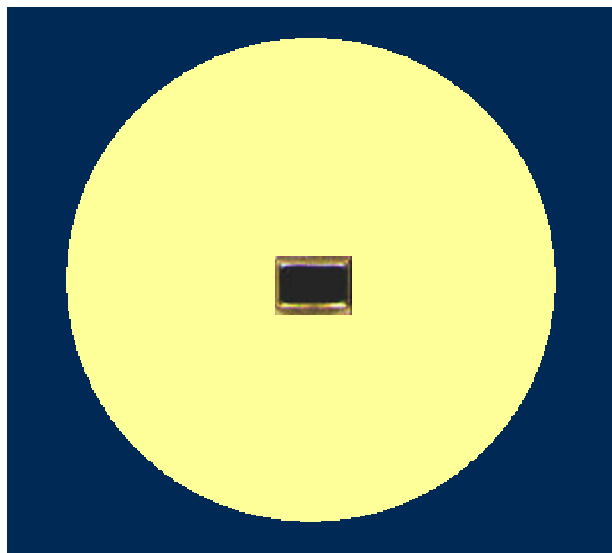
Model OSC1601A Cosmic - Technical Data

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:

OSC1601A	Specification
Nominal Frequency	16.8 MHz
Supply Voltage (Vdd)	2.75 V $\pm$ 0.1 V
Frequency Stability over Temperature	$\pm$ 2.0 PPM (-30 C to 85C)
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)	1.4 VDC
Frequency Adjust Range	$\pm$ 11 PPM to $\pm$ 17 PPM (1.4 V $\pm$ 1 V)
SSBN @ 16.8MHz at 10kHz offset	-145dBc/Hz Typical
Aging	$\pm$ 1PPM/Yr @25C

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Mechanical Dimensions (mm):

