



WIRELESS COMPONENTS

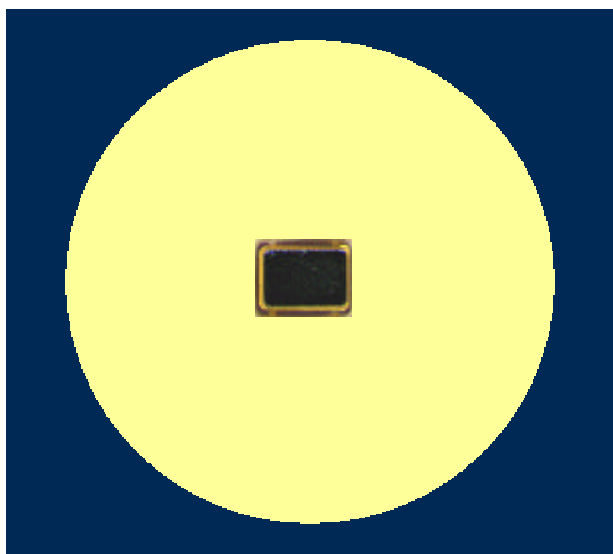
Model OSC1644 5X7- Technical Data

Features:

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

Description and Applications:

Surface mount 5 x 7 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:

OSC1644	Specification
Nominal Frequency	19.44 MHz
Supply Voltage (Vdd)	3.0 V $\pm$ 0.15 V
Frequency Stability over Temperature	$\pm$ 3.0 PPM (-30 C to 75C)
RF output (AC Coupled)	0.8 Vpp minimum
Current Drain	2.0 maximum
Frequency Adjust Method	Analog DC Frequency Adjust
Frequency Adjust Center Voltage (Vcc)	1.25 VDC
Frequency Adjust Range	$\pm$ 6.0 PPM to $\pm$ 11.0 PPM (1.25 V $\pm$ 1.15 V)
SSBN @ 13MHz at 10kHz offset	-145 dBc/Hz typical
Aging	$\pm$ 1PPM/Yr @25C

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Technical Data

Mechanical Dimensions (mm):

