



WIRELESS COMPONENTS

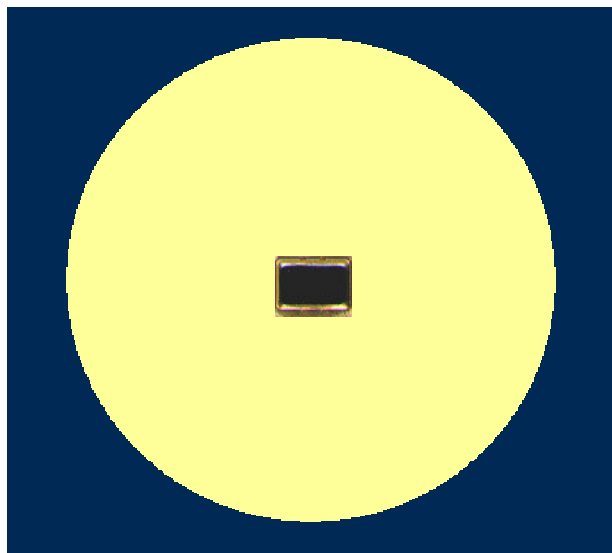
## Model OSC1600A Cosmic - Technical Data

### 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:

| OSC1600A                              | 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)                | 0.8 Vpp (minimum) Clipped Sinewave             |
| Current Drain                         | 2.5 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        | -140dBc/Hz Typical                             |
| Aging                                 | $\pm$ 1PPM/Yr @25C                             |

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## Mechanical Dimensions (mm):

