



STRATUM 3 SMD TCXO/VCTCXO IN 5x3.2 mm LCC PACKAGE - TC53B Series

FEATURES

- RoHS Compliant (Pb-Free), High Stability over Wide Temperature Range
- Leadless Chip Carrier (LCC) Miniature Small Package, Industry de factor Standard Footprint
- Small Size, Low Profile, Light Weight and Low Power Consumption
- For Base Station and Femto Cell Applications

SPECIFICATIONS

Frequency Range	10.000 MHz to 26.000 MHz
Standard Frequency	19.2 MHz, 26.0 MHz
Input Voltage (Vcc)	2.7 - 5.5 VDC (A=5.0V±5%; B=3.3V±5%; C=3.0V±5%; D=2.8V±5%)
Input Current	2.4 mA Maximum (Vcc = 3.3V, 25°C)
Storage Temperature	-40°C to 85°C
Frequency Stability vs Temp.	±0.28 ppm Maximum / -40°C to 85°C
Frequency Stability vs Vcc	±0.05 ppm Maximum / Vcc ± 5%
Frequency Stability vs Load	±0.05 ppm Maximum / 10 kOhms or 10 pF ±10%
Aging	±0.5 ppm Maximum per year @25°C
Output Load	10 kOhms or 10 pF ±10%
Output Waveform	Clipped Sine wave
Output Level	0.8Vp-p Minimum
Start-up Time	2 ms (Typical)
SSB Phase Noise (19.2MHz)	-135 dBc/Hz at 1KHz -150 dBc/Hz at 10KHz -155 dBc/Hz at 100KHz
Control Voltage (Vc, Option)	+1.5±1.0 VDC
Controllable Frequency	±3 ppm to ±15 ppm, Positive polarity
Typical Part Number	TC53B-Frequency-Vcc-V(Voltage control option)
P/N Example	TC53B-19M200-BV: VCTCXO in 5x3.2x1.5 mm LCC package, Clipped sine wave output, 19.200 MHz +3.3 VDC supply voltage, ±0.28 ppm / -40°C to 85°C, Voltage control option

OUTLINE DRAWING

