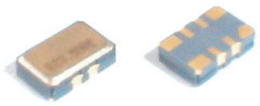

STRATUM 3 SMD TCXO/VCTCXO IN 5x3.2 mm LCC PACKAGE - TC53B Series

FEATURES

- RoHS Compliant (Pb-Free), High Stability over Wide Temperature Range
- HCMOS or Clipped Sinewave Output, 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 52.000 MHz
Input Voltage (Vcc)	2.8 - 5.0 VDC (A=5.0V±5%; B=3.3V±5%; C=3.0V±5%; D=2.8V±5%)
Input Current	8.0 mA Maximum
Storage Temperature	-55°C to 125°C
Frequency Stability vs Temp.	0028 = ±0.28 ppm; 005 = ±0.5 ppm; 010 = ±1.0 ppm
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C; H = -30°C to 75°C
Frequency Stability vs Vcc	±0.2 ppm Maximum / Vcc ± 5%
Frequency Stability vs Load	±0.2 ppm Maximum / 10 kOhms or 10 pF ±10%
Aging	±1 ppm Maximum per year @25°C
Output Waveform, Level	Clipped Sine wave; 0.8Vp-p
Output Load	10 kOhms or 10 pF ±10%
Or	
Output Waveform, Duty Cycle	HCMOS Square wave; 40/60%
Output Load	15 pF ±10%
Controllable Frequency Option	±5 ppm Minimum over control voltage range; Positive
Control Voltage (Vc)	2.5±1.0 VDC for Vcc = 5 VDC; 1.65±1.0 VDC for Vcc = 3.3 VD
Phase Noise (Max)	-130dBc/Hz at 1KHz; -140 dBc/Hz at 10KHz

Creating a Part Number **TC53B-26M000-BV0028B 1**

- Product Series
- Frequency
- Supply Voltage: A = 5.0V; B = 3.3V
- Tuning: V; blank
- Frequency Stability: 0028 = ±0.28 ppm; 005 = ±0.5 ppm; 010 = ±1.0 ppm
- Operating Temperature Range: A = 0 to 70°C; B = -40 to 85°C; G = -10 to 70°C
- 1 = HCMOS; 2 = Clipped Sine

OUTLINE DRAWING