

STRATUM 3 SMD TCXO/VCTCXO IN 7x5 mm LCC PACKAGE - TC75B Series

FEATURES

- RoHS Compliant (Pb-Free), Tight Stability over Wide Temperature Range
- Voltage Control Option for Electric Frequency Adjustments
- HCMOS or Clipped Sinewave Output, Industry de factor Standard Footprint
- For Base Station and Femto Cell Applications

SPECIFICATIONS

Frequency Range 10 MHz to 52 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 Current8.0 mA MaximumStorage Temperature-55°C to 125°C

Frequency Stability vs Temp.

Temperature Range

 $0028 = \pm 0.28$ ppm; $005 = \pm 0.5$ ppm; $010 = \pm 1.0$ ppm A = 0°C to 70°C; B = -40°C to 85°C; H = -30°C to 75°C

Frequency Stability vs Vcc

Frequency Stability vs Load

±0.2 ppm Maximum / 10 kOhms or 10 pF ±10%

Aging

±1 ppm Maximum per year @25°C

±0.2 ppm Maximum / Vcc ± 5%

Output Waveform, Level

Output Load

Clipped Sine wave; 0.8Vp-p 10 kOhms or 10 pF ±10%

Output Waveform, Duty Cycle

Output wave

Or

HCMOS Square wave; 40/60%

15 pF ±10%

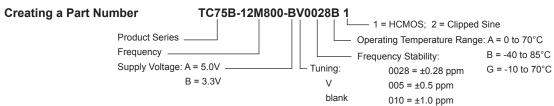
Controllable Frequency Option

Control Voltage (Vc)

±5 ppm Minimum over control voltage range; Positive

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



OUTLINE DRAWING

