

ULTRA MINIATURE (3.2x2.5x1.0 mm) SMD VCTCXO IN LCC PACKAGE - TC32 Series

FEATURES

- RoHS Compliant (Pb-Free), Tight Stability over Wide Temperature Range
- Voltage Control Option for Electric Frequency Adjustments
- Leadless Chip Carrier (LCC) Miniature Small Package, Industry de factor Standard Footprint
- Ultra Small Size, Low Profile, Light Weight and Low Power Consumption

SPECIFICATIONS

Frequency Range 10.000 MHz to 52.000 MHz

Input Voltage (Vcc) B = $3.3V \pm 5\%$; C = $3.0V \pm 5\%$; D = $2.8V \pm 5\%$

Input Current 2.2 mA Maximum (at 3V, 25°C)

Storage Temperature -40°C to 85°C

Frequency Stability vs Temp.

Temperature Range

 $005 = \pm 0.5$ ppm; $010 = \pm 1$ ppm; $025 = \pm 2.5$ ppm (not all combination is available)

 $A = 0^{\circ}C$ to $70^{\circ}C$; $B = -40^{\circ}C$ to $85^{\circ}C$; $H = -30^{\circ}C$ to $75^{\circ}C$; $J = -30^{\circ}C$ to $85^{\circ}C$

Frequency Tolerance ±1.0 ppm Maximum, after reflow, @25°C

Frequency Stability vs Vcc ±0.2 ppm Maximum / Vcc ± 10%

Frequency Stability vs Load ±0.2 ppm Maximum / 10 kOhms or 10 pF ±10%

Aging ±1.0 ppm Maximum per year @25°C

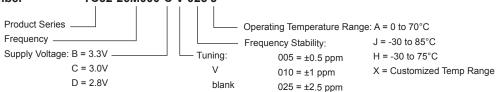
Output Load10 kOhms or 10 pF ±10%Output WaveformClipped Sine waveOutput Level0.8Vp-p MinimumStart-up Time4 ms (Typical)

SSB Phase Noise -130 dBc/Hz at 10 KHz (Typical)

Control Voltage (Vc, Option) +0.9V ±0.6V, Positive polarity

Controllable Frequency ±3 ppm to ±5 ppm over control voltage range (0.3V to 1.5V)

Creating a Part Number TC32-26M000-C V 025 J



OUTLINE DRAWING

