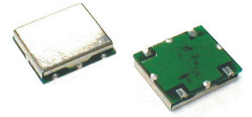


Temperature Compensated Crystal Oscillators



HCMOS OUTPUT SMD (11.4x9.6 mm) TCXO/VCTCXO IN LEADLESS PACKAGE - TCLC Series

FEATURES

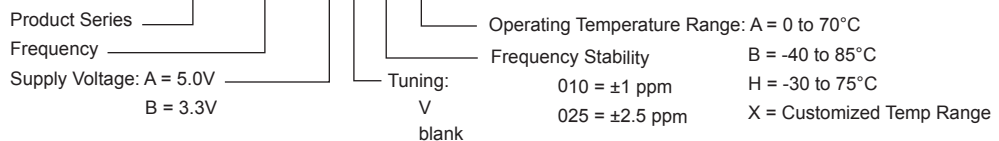
- RoHS Compliant (Pb-Free), HCMOS/TTL Compatible Square Wave Output
- Voltage Control Option for Electric Frequency Adjustments
- Low Phase Noise, Trimmerless, Reflow Soldering
- SMD Miniature Size, Industry de factor Standard Footprint

SPECIFICATIONS

Frequency Range	1.250 MHz to 40.000 MHz
Supply Voltage (Vcc)	A = 5.0 VDC \pm 5%; B = 3.3 VDC \pm 5%
Input Current	30 mA Maximum
Storage Temperature	-55°C to 125°C
Controllable Frequency Option	V = Voltage control option: \pm 8 ppm Minimum
Control Voltage (Vc)	2.5 \pm 2.0 VDC for Vcc = 5 VDC; 1.65 \pm 1.5 VDC for Vcc = 3.3 VDC
Setability of Vc at Fnom, 25°C	2.5 \pm 0.5 VDC for 5.0V part; 1.65 \pm 0.4 VDC for 3.3V part
Frequency Stability vs Temp. Temperature Range	010 = \pm 1 ppm; 020 = \pm 2 ppm; 025 = \pm 2.5 ppm A = 0°C to 70°C; B = -40°C to 85°C; H = -30°C to 75°C
Standard Stability	025H = \pm 2.5 ppm / -30°C to 75°C
Frequency Stability vs Vcc	\pm 0.2 ppm Maximum / Vcc \pm 10%
Frequency Stability vs Load	\pm 0.2 ppm Maximum / 15 pF \pm 10%
Aging	\pm 1 ppm Maximum per year @25°C
Output Load	CMOS 15 pF
Logic "1" / Logic "0" Level	0.9Vcc Minimum / 0.1Vcc Maximum
Rise/Fall Time (Tr/Tf)	10 ns Maximum
Start-up time	10 ms Maximum
Duty Cycle	0 = Non-tristate 60/40%
Phase Noise (typ)	-140 dBc/Hz at 10KHz

Creating a Part Number

TCLC-27M000-B V 025 H 0 (not all combination is available)



OUTLINE DRAWING

