



CMOS OUTPUT MINIATURE (5x3.2x1.2 mm) TCXO IN LCC PACKAGE - TC53C Series

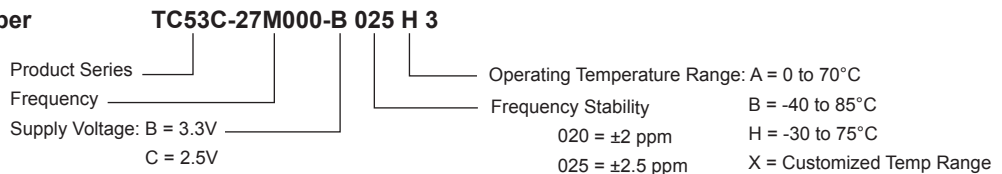
FEATURES

- RoHS Compliant (Pb-Free), Tight Stability, Wide Frequency Range
- CMOS Output with Tri-state function
- Leadless Chip Carrier (LCC) Miniature Small Package, Industry de factor Standard Footprint
- Low Phase Noise, Low Jitter and Low Power Consumption

SPECIFICATIONS

Frequency Range	4.000 MHz to 54.000 MHz
Input Voltage (Vcc)	1.8 - 3.3 VDC; B = 3.3V ± 10%; C = 2.5VDC ± 10%; D = 1.8VDC ± 10%
Input Current	7 mA Maximum / 1 uA Max Standby
Storage Temperature	-40°C to 125°C
Frequency Stability vs Temp.	020 = ±2 ppm; 025 = ±2.5 ppm (not all combination is available)
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C; H = -30°C to 75°C
Standard Stability	025H = ±2.5 ppm / -30°C to 75°C
Frequency Stability vs Vcc	±0.2 ppm Maximum / Vcc ± 10%
Frequency Stability vs Load	±0.2 ppm Maximum / 15 pF ±10%
Aging	±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)	5 ns Maximum
Start-up time	10 ms Maximum
Duty Cycle	3 = Tristate 55/45%
Phase Noise (typ)	-145 dBc/Hz at 10KHz
Jitter (typ)	3 ps, 1 Sigma RMS
Tristate Function	Input (Pin 1) High (> 0.7Vcc) or open: Output (Pin 3) active Input (Pin 1) Low (< 0.3Vcc): Output disabled in high impedance

Creating a Part Number



OUTLINE DRAWING

