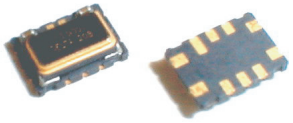
SUNSTAR微波光电 http://www.rfoe.net/ TEL:0755-83396822 FAX:0755-83376182 E-MAIL: szss20@163.com



MINIATURE (7x5x2 mm) SMD TCXO/VCTCXO IN LEADLESS PACKAGE - TC75D Series

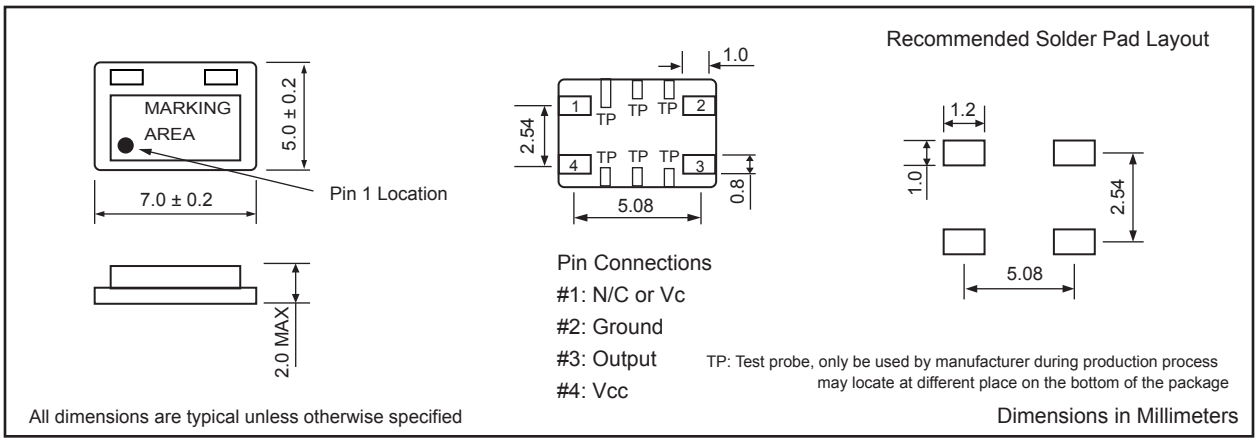
FEATURES

- 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
- Small Size, Low Profile, Light Weight and Low Power Consumption

SPECIFICATIONS

Frequency Range	10.000 MHz to 20.000 MHz
Standard Frequency	12.00 MHz, 12.60 MHz, 13.00 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	2.0 mA Maximum (at 3V, 25°C)
Storage Temperature	-40°C to 85°C
Frequency Stability vs Temp.	±2.5 ppm Maximum / -30°C to 80°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 Load	10 kOhms or 10 pF ±10%
Output Waveform	Clipped Sine wave
Output Level	0.8Vp-p Minimum
Start-up Time	2 ms (Typical)
SSB Phase Noise	-125 dBc/Hz at 1 KHz; -140 dBc/Hz at 10KHz
Control Voltage (Vc, Optional)	+1.5±1.0 VDC
Controllable Frequency	±5 ppm Minimum over control voltage range (0.5 VDC to 2.5 VDC)
Typical Part Number	TC75D-Frequency-Vcc-V(Voltage control option)
P/N Example	TC75D-12M600-C: TCXO in 7x5x2 mm LCC package, Clipped sine wave output, 12.60 MHz, 3.0 VDC supply voltage, ±2.5 ppm / -30°C to 80°C

OUTLINE DRAWING



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