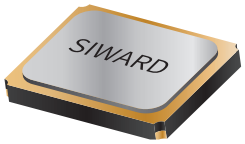
TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

TXO97(Low Phase Noise)



Applications

- GPS / LTE / Femtocell

Features

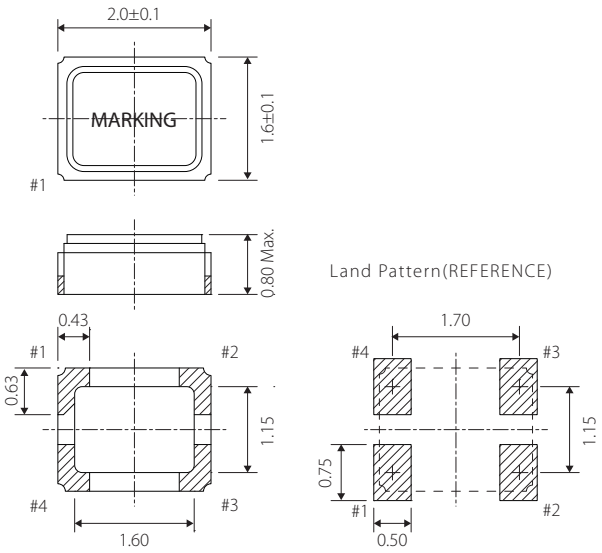
- Ultra-thin / Dimensions (2.0×1.6×0.8)
- Seam sealed
- Ultra Low phase noise
- High stability ± 0.5ppm / -40~+85℃

Specifications

Model		TXO97
Frequency range		13～52MHz
Nominal frequency (MHz)		19.2, 26, 38.4, 52
Frequency stability	Tolerance at 25℃	±2.0×10^{-6} (Sixty minutes after reflow)
	Temperature (Ref.to+25℃)	±0.5×10^{-6} / -40～+85℃
	Supply voltage change	±0.2×10^{-6} / Vdd ± 5%
	Load change	±0.2×10^{-6} / ZL ± 10%
Aging (at 25℃)		±1.0×10^{-6} / year at +25℃
Storage temperature range		-40～+85℃
Power supply voltage (Vcc)		+1.8V～+3.3V DC ±5%
Current consumption		1.5mA max. (～26MHz), 2.0mA max. (～32MHz), 2.5mA max. (～52MHz)
Output	Load (ZL)	10kΩ//10pF
	Voltage	0.8V p-p min.
	Waveform	Clipped Sine Wave (DC-coupled output)
Phase noise		-135dBc typ. at 1kHz offset -165dBc typ. at 100kHz offset

Package quantity: 3,000pcs max./Reel.

Outline and Dimensions [unit:mm]



Terminal	Connection
	TXO97
#1	GND
#2	GND
#3	OUTPUT
#4	Vcc

Patience Confidence Concentric
SIWARD