

TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

TXO97



Applications

- GPS / LTE / Femtocell

Features

- Ultra-thin / Dimensions (2.0×1.6×0.8)
- Seam sealed
- Low phase noise / Low power consumption
- High stability $\pm 0.5\text{ppm}$ / $-40\sim+85^{\circ}\text{C}$

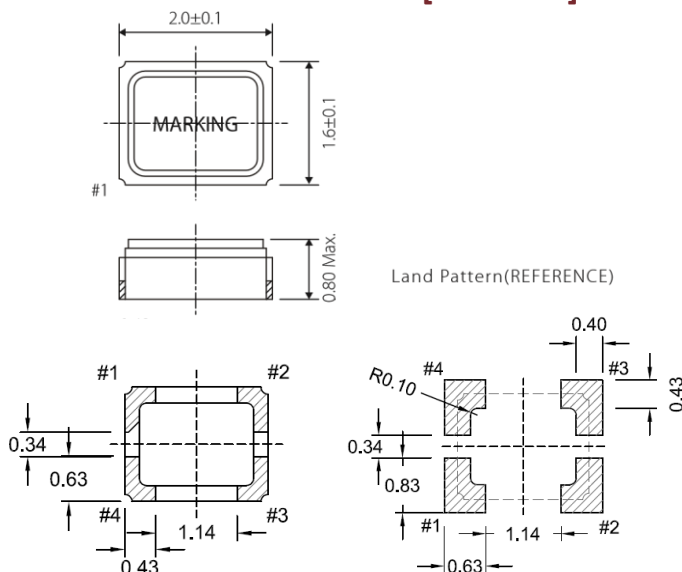
Specifications



Model		TXO97
Frequency range		16~52MHz
Nominal frequency (MHz)		19.2, 26, 38.4, 52MHz
Frequency stability	Tolerance at 25°C	$\pm 2.0 \times 10^{-6}$ (Sixty minutes after reflow)
	Temperature (Ref.to+25°C)	$\pm 0.5 \times 10^{-6}$ / $-40^{\circ}\text{C}+85^{\circ}\text{C}$
	Supply voltage change	$\pm 0.2 \times 10^{-6}$ / $V_{dd} \pm 5\%$
	Load change	$\pm 0.2 \times 10^{-6}$ / $Z_L \pm 10\%$
Aging (at 25°C)		$\pm 1.0 \times 10^{-6}$ / year at $+25^{\circ}\text{C}$
Storage temperature range		$-40^{\circ}\text{C}+85^{\circ}\text{C}$
Power supply voltage (Vcc)		+1.8V~+3.3V DC $\pm 5\%$
Current consumption		1.5mA max. (~26MHz), 2.0mA max. (~32MHz), 2.5mA max. (~52MHz)
Output	Load (ZL)	10k Ω //10pF
	Voltage	0.8V p-p min.
	Waveform	Clipped Sine Wave (DC-coupled output)
Phase noise		-135dBc typ. at 1kHz offset

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

Outline and Dimensions [unit:mm]



Terminal	Connection
	STO-2016
#1	GND
#2	GND
#3	OUTPUT
#4	Vcc