

TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

TX001 (Low Phase Noise)



Applications

- GPS / WiMAX / LTE / Wifi
- Communication Equipment

Features

- Ultra-thin / Dimensions (1.6 × 1.2 × 0.55)
- Low phase noise / Low power consumption
- Ultra Low phase noise
- High stability ± 0.5ppm / -40 ~ +85°C

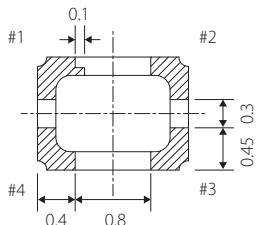
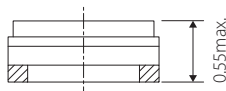
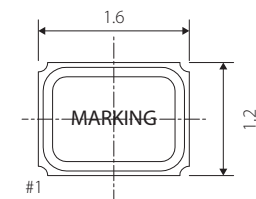
Specifications



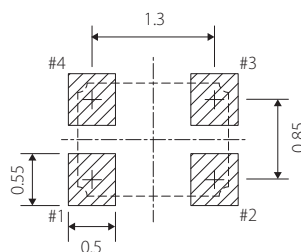
Model		TX001
Frequency range		13~52MHz
Nominal frequency (MHz)		19.2, 26, 38.4, 52
Frequency stability	Tolerance at 25°C	± 2.0 × 10 ⁻⁶ (Sixty minutes after reflow)
	Temperature (Ref.to+25°C)	± 0.5 × 10 ⁻⁶ / -40~+85°C
	Supply voltage change	± 0.2 × 10 ⁻⁶ / Vdd ± 5%
	Load change	± 0.2 × 10 ⁻⁶ / ZL ± 10%
Aging (at 25°C)		± 1.0 × 10 ⁻⁶ / year at +25°C
Storage temperature range		-40~+85°C
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]



Land Pattern(REFERENCE)



Terminal	Connection
	STO-1612
#1	GND
#2	GND
#3	OUTPUT
#4	Vcc