TEMPERATURE-COMPENSATED OSCILLATOR

TXO96

Applications Features

- Communication Equipment

- HCMOS output with Tri-state function
- Ceramic package, Dimensions (2.5×2.0×0.9)
- High stability ± 2.5ppm / -40 ~ +105℃

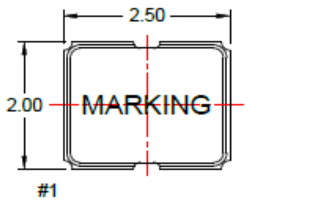
- Low current consumption
- Low phase noise, Low jitter

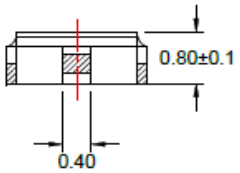
Specifications

Model		TXO96
Nominal frequency		8.000~70.000MHz
Nominal frequency (MHz)		19.2, 26, 38.4, 52
Frequency stability	Tolerance at 25℃	± 2.0 × 10^{-6} (Sixty minutes after refloe)
	Temperature (Ref.to+25℃)	± 2.5 × 10^{-6} / -40 ~ +105℃
	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~+125℃
Operating temperature range		-40~+85℃
Power supply voltage(Vdd)		+1.8V ~ +3.3V ± 5%
Current consumption		7mA max. / 10uA max (Standby)
Output level		CMOS
Load		15pF
Output Voltage Level		VOL:10%Vdd max. / VOH:90%Vdd min.
Rise & Fall time		5ns max. / 10%Vdd ~ 90%Vdd
Duty cycle		45%~55% at 1/2Vdd
Phase Noise		-142dBc typ. at 1kHz offset
Tri-state Function		#1: "H"→Output enable / #1: "L"→Output disable (Hi-Z)

Package quantity : 3,000pcs max./Reel

Outline and Dimensions [unit: mm]

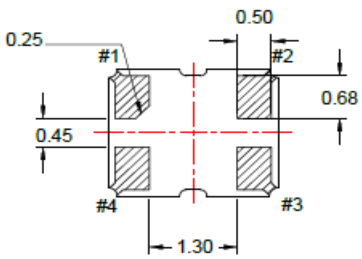


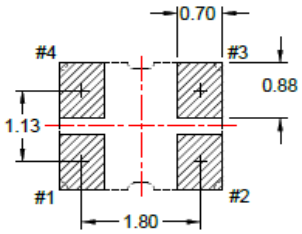


Terminal	Connection
#1	OE
#2	GND
#3	OUTPUT
#4	Vcc

OE Function	
OE	OUTPUT
High	Active
Low	Hi-Impedance

LAND PATTERN (REFERENCE)





Patience Confidence Concentric
STWARD