TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

TXO91,VTX91

Automotive Applications

- GPS / WiMAX / LTE / Wifi
- Communication Equipment
- Automotive

Features

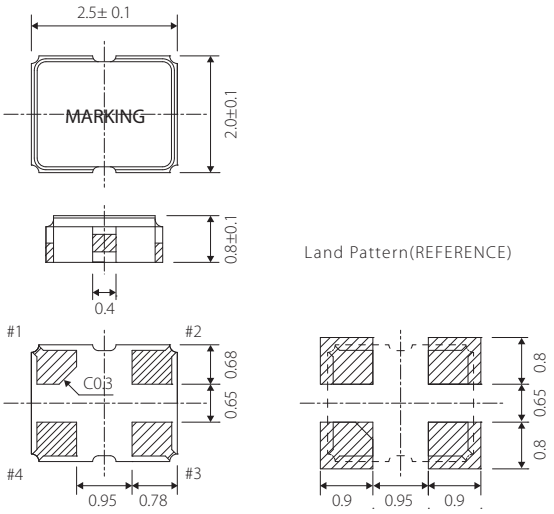
- Ultra-thin / Dimensions (2.5×2.0×0.8)
- Sean sealed
- Low phase noise / Low power consumption
- High stability ± 0.5ppm / -40 ~ +105℃
- Compliant products with AEC-Q100

Specifications

Model		TXO91	VTX91
Frequency range		13.000~52.000MHz	
Nominal frequency (MHz)		16.369, 16.384, 19.2, 26, 38.4, 52	
Frequency stability	Tolerance at 25℃	± 2.0 × 10^{-6} (Sixty minutes after refloe)	
	Temperature (Ref.to+25℃)	± 0.5 × 10^{-6} / -40 ~ +105℃	
	Supply voltage change	± 0.2 × 10^{-6} / Vdd ± 5%	
	Load change	± 0.2 × 10^{-6} / ZL ± 10%	
Aging		± 1.0 × 10^{-6} / year at +25℃	
Storage temperature range		-40 ~ +105℃	
Power supply voltage (Vdd)		+1.8V ~ +3.3V ± 5%	
Current consumption		1.5mA max. (~26MHz), 2.0mA max.(~32MHz), 2.5mA max.(~52MHz)	
Output	Load (ZL)	10KΩ // 10pF	
	Voltage	0.8Vp-p min.	
	Waveform	Clipped Sine Wave (DC-coupled output)	
External controlfunction	Frequency tuning range	-	±8.0×10^{-6} min. (Positive)
	External control voltage	-	+1.5V±1.0V DC / +0.9V ± 0.9V DC
	Input impedance (Zvin)	-	500kΩ min. (770kΩ typ.)
Phase noise		-135dBc typ. at 1kHz offset	

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

Outline and Dimensions [unit:mm]



Terminal	Connection	
	TXO91	VTX91
#1	GND	VC
#2	GND	GND
#3	OUTPUT	OUTPUT
#4	Vcc	Vcc

Patience Confidence Concentric
SIWARD