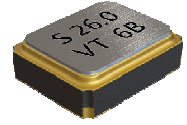


# TEMPERATURE-COMPENSATED OSCILLATOR TXO01(Low Phase Noise)



## Applications Features

- GPS / LTE / Femtocell
- Ultra-thin / Dimensions (1.6x1.2x0.55)
- Ultra Low phase noise
- Seam sealed
- High stability  $\pm 0.5\text{ppm} / -40 \sim +85^\circ\text{C}$

## Specifications



Model	TXO01	
Nominal frequency	24.000~104.000MHz	
Nominal frequency (MHz)	26, 38.4, 52, 76.8	
Frequency stability	Tolerance at 25°C	$\pm 2.0 \times 10^{-6}$ (Sixty minutes after reflow)
	Temperature (Ref.to+25°C)	$\pm 0.5 \times 10^{-6} / -40 \sim +85^\circ\text{C}$
	Supply voltage change	$\pm 0.2 \times 10^{-6} / \text{Vdd} \pm 5\%$
	Load change	$\pm 0.2 \times 10^{-6} / \text{ZL} \pm 10\%$
Aging (at 25°C)	$\pm 1.0 \times 10^{-6} / \text{year at } +25^\circ\text{C}$	
Storage temperature range	$-40 \sim +85^\circ\text{C}$	
Power supply voltage	$+1.8\text{V} \sim +3.3\text{V} \pm 5\%$	
Current consumption	3.0mA max. (~52MHz), 4.0mA max. (~80MHz), 5.0mA max. (~104MHz)	
Output	Load (ZL)	10k $\Omega$ //10pF
	Voltage	0.8V p-p min.
	Waveform	Clipped Sine Wave (DC-coupled output)
Phase Noise	-140dBc typ. at 1kHz offset	
	-163dBc typ. at 100kHz offset	

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

