



OCXOs TXO 2800 Series

Features:

- ◆ Stratum 3 performance
- ◆ Excellent Phase Noise
- ◆ Low Cost
- ◆ Quick Warm-Up

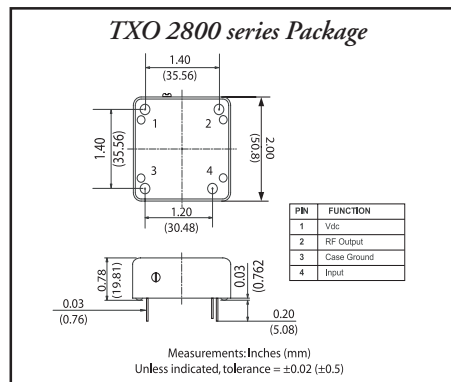
TXO 2822

Parameter	TXO2822	TXO2823
Frequency	10.00 MHz	
R.F. Output	+4 ±2dBm into 50 ohms	
Waveform	Sine Wave	
Harmonics	< -20 dBc	
Operating Temperature	0°C to 70°C	
Frequency vs Temperature (@ 25°C)	< +/- 50 ppb	< +/- 10 ppb
Aging (1)		
Daily	< +/- 5 ppb	< +/- 1 ppb
1st Year	< +/- 0.5 ppm	< +/- 0.1 ppm
Warm-Up Time (2)	< +/- 50 ppb	< +/- 10 ppb
Input Voltage (±5% change)	< +/- 10 ppb	< +/- 3 ppb
Voltage Control Range (3)		
Positive Slope (0 to +5 VDC)	< +/- 3 ppm	< +/- 0.8 ppm
Trimmer Control Range (3)	> +/- 1.5 ppm	> +/- 0.4 ppm
Resolution	< +/- 5 ppb	< +/- 2 ppb
Input Power @ turn on	+5 VDC +/- 5%, < 800 mA	
@ 25°C	< 1.8 Watts Steady State	
Phase Noise	-105 dBc	-110 dBc

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(1) All aging stabilities are after storage of up to 1 year and apply after 30 days of continuous operations. The daily aging rate also applies at three times of shipment from factory.
 (2) Frequency at 10 minutes after power on @ 25°C referenced to frequency at 4 hours.
 (3) The mechanical frequency adjustment range is sufficient for the life of the oscillator.



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