

OCO-M25BSN

NEW

QuartzCom
the communications company



High frequency OCXO Sine Wave

Features

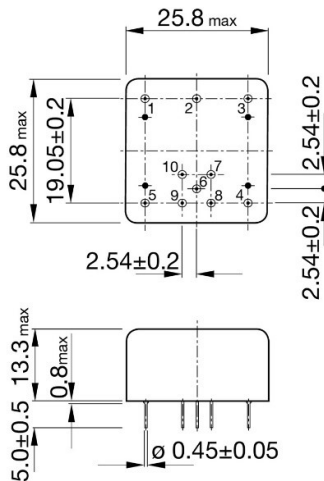
- High frequency: up to 1228.800MHz
- Short warm-up : < 60 seconds

Parameter	Specification								
	OCO-M25BSN5								
Frequency Range	48.000 ~ 1228.800 MHz								
Standard Frequencies	100MHz	122.880MHz	400MHz	800MHz	1000 MHz				
Operating Temperature Range	Code	EH	GH	JK	NK	NN	Z		
								°C	0 / +60
Frequency Stability	Code	u50		u10		75n			
		vs Operating Temperature Range		$\leq \pm 5.0 \times 10^{-7}$		$\leq \pm 1.0 \times 10^{-7}$		$\leq \pm 7.5 \times 10^{-8}$	
		vs. Supply Voltage change [Vdc] ± 10 %		$\leq \pm 1 \times 10^{-7}$		$\leq \pm 2 \times 10^{-8}$			
		vs. Load change ± 5 %		$\leq \pm 1 \times 10^{-7}$		1 st year			
vs. Aging after 30 days of operation									
Output waveform	Sine wave								
Output level	> 400 mV RMS								
Output load	50 Ω ± 10 %								
Harmonics	< - 20 dBc								
Sub-harmonics	< - 55 dBc								
Supply Voltage [Vdc]	+5.0 V ± 5 %								
Steady-state current consumption @ +25 °C	< 300 mA								
Warm-up current consumption @ +25 °C	< 600 mA								
Warm-up time @ +25 °C	< 60s		< $\pm 2 \times 10^{-7}$						
Electronic Frequency Control [EFC] range	> $\pm 2 \times 10^{-6}$ positive slope								
Voltage Control [Vc]	0 ~ +4.5 V								
Reference voltage output [Vref]	+4.7 V								
Phase Noise @ 1000 MHz			Typ.		Max.		Units		
	10Hz		-90		< -85		dBc/Hz		
	100Hz		-120		< -110				
	1kHz		-130		< -125				
	10kHz		-140		< -135				
100kHz		-145		< -147					
Storage temperature range	-55 ~ +80 °C								

Environmental test

Vibration	acceleration: 5 g; 10 Hz up to 500 Hz and down to 10 Hz; all 3 axes
Shock	75 g, half-sine, 3 ms

Note 1: unless otherwise specified conditions are @ 25°C still air



Pin Function

1. NC
- 2 7-10 GND
3. Vc
4. Vref
5. Vdc
6. RF

Ordering Guide:

OCO-M25BSN5-NKu10-1000MHz

Vdc OTR

Connection circuit

