

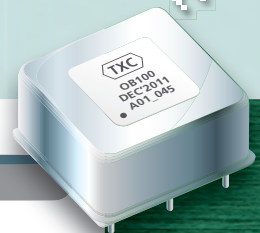


OCXO 25 x 25 mm Dip Type OB Series

Oscillators
Series

Features

- For base station and wireless communication application.

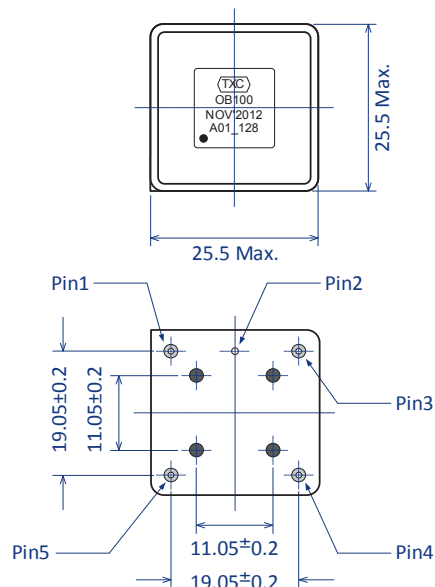


Electrical Specifications

Item / Type	OB
Dimension	25x25 mm Typ.
Nominal Frequency [#1]	10, 12.8, 13, 16.384MHz
Output Type [#2]	CMOS, Sinewave
Output Load	15pF, 50ohm Typ. [#3]
Supply Voltage (Vcc)	3.3V, 5V
Power Consumption	3.0 W Max. While Warm-Up 1.25 W Max. at Steady State
Warm-up Time	5 Minutes Typ.
Initial Tolerance	± 0.2 ppm Max.
Operating Temperature Range [#4]	- 20 to + 75 °C
Frequency Stability vs. Operating Temperature Range	± 5 to ± 20 ppb Max.
Frequency Stability vs. Load Variation	± 5 ppb Max. for ± 5 % Variation
Frequency Stability vs. Supply Voltage Variation	± 5 ppb Max. for ± 5 % Variation
Aging	<± 100 ppb / year
Control Voltage Range (Vc) [#5]	0 to 4 V
Frequency Pulling Range	± 1.0 ppm Typ.
Linearity	10% Max.
Voltage Reference	Option : 4V Typ. [#6]
Phase Noise	1 Hz: < -80 dBc/Hz 100 Hz: < -140 dBc/Hz 10 kHz: < -150 dBc/Hz

- [#1] Contact sales agent for other frequency requirement
 [#2] Available output type: CMOS for all series, Sinewave for OB & OC series
 [#3] Available load: 15pF Typ. for CMOS and 50ohm Typ. for Sinewave output
 [#4] Contact sales agent for other temperature range and stability requirement
 [#5] Contact sales agent for other Vc range requirement
 [#6] Contact sales agent for available option

Dimensions



- Pin function:
 Pin 1: Output
 Pin 2: Ground
 Pin 3: Vc
 Pin 4: N.C./Vref (Option)
 Pin 5: Vcc

Units: mm

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