

OCXO 25 x 25 mm Dip Type OB Series

Features

- For base station and wireless communication application.

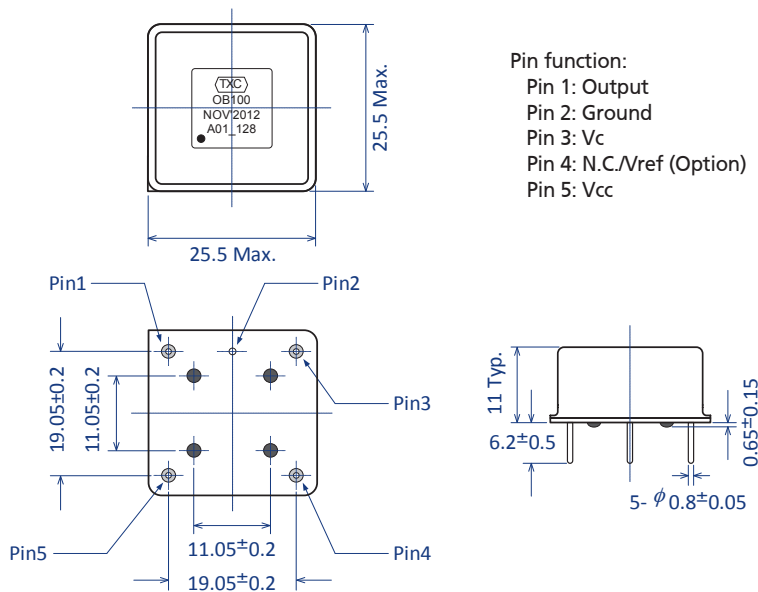


Electrical Specifications

| 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