

OCXO

20 x 20 mm / 25 x 25 mm / 36 x 27 mm

Dip Type OA / OB / OC Series



Features

- For base station and wireless communication application.

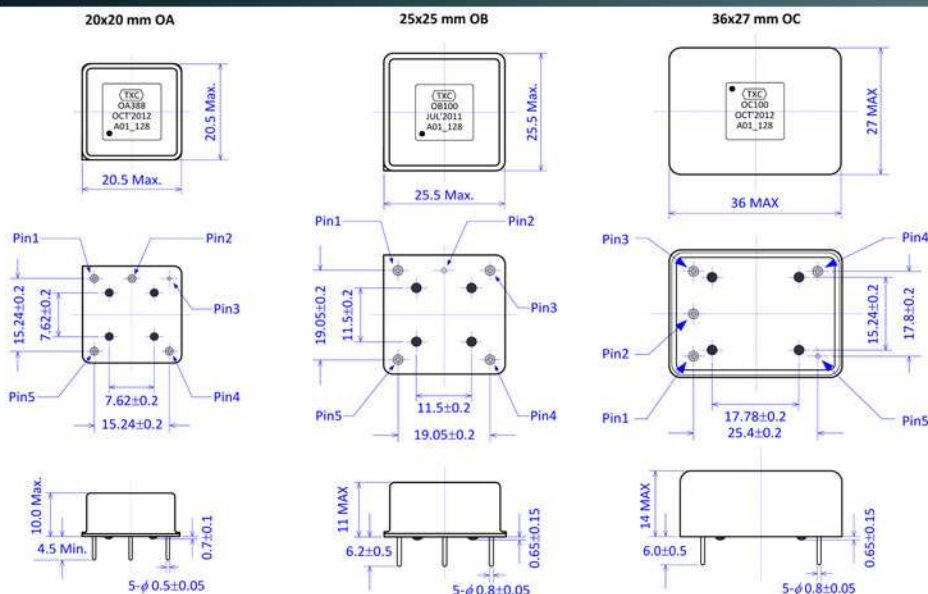
Electrical Specifications

Item / Type	OA	OB	OC
Dimension	20 x 20 mm Typ.	25 x 25 mm Typ.	36 x 27 mm Typ.
Nominal Frequency [#1]	38.88 MHz	10MHz, 12.8MHz, 13 MHz	10 MHz
Output Type	HCMOS [#2]		
Output Load	15pF Typ. [#3]		
Supply Voltage (Vcc)	5V [#4]		
Power Consumption	2.5 W Max. While Warm-Up 1.0 W Max. at Steady State	3.0 W Max While Warm-Up 1.25 W Max at Steady State	
Warm-up Time	5 Minutes Typ.		
Initial Tolerance	± 0.5 ppm Max.	± 0.2 ppm Max.	
Operating Temperature Range [#5]	- 30 to + 70 °C	0 to + 75 °C	0 to + 70 °C
Storage Temperature Range	- 40 to + 85 °C		
Frequency Stability vs. Operating Temperature Range	± 200 ppb Max.	± 10 ppb Max.	± 5 ppb Max.
Frequency Stability vs. Load Variation	± 0.05 ppm Max. for ± 5 % Variation	± 5 ppb Max. for ± 5 % Variation	
Frequency Stability vs. Supply Voltage Variation	± 0.05 ppm Max. for ± 5 % Variation	± 5 ppb Max. for ± 5 % Variation	
Aging	± 0.5 ppm / year	± 100 ppb / year	± 80 ppb / year
Control Voltage Range (Vc) [#6]	0 to 2.5 V	0 to 4 V	
Frequency Pulling Range	± 10.0 ppm Typ.	± 1.0 ppm Typ.	± 1.0 ppm Typ.
Linearity	10% Max.		
Voltage Reference	Option : 4V Typ. [#7]		
Phase Noise	1 Hz: < -60 dBc/Hz 100 Hz: < -115 dBc/Hz 10 kHz: < -145 dBc/Hz	1 Hz: < -80 dBc/Hz 100 Hz: < -140 dBc/Hz 10 kHz: < -150 dBc/Hz	

[#1] Available frequency from 10MHz to 40MHz
 [#2] Available output type: LVCMOS, HCMOS, Sinewave
 [#3] Available load 50ohm Typ. for Sinewave output
 [#4] Available supply voltage 3.3V , 5V , 12V

[#5] Contact sales agent for other temperature range requirement
 [#6] Contact sales agent for other Vc range requirement
 [#7] Contact sales agent for available option

Dimensions



Pin function:
Pin 1: Vcc

Pin function:
Pin 1: Output
Pin 2: Vcc

Pin function:
Pin 1: Vc
Pin 2: Vcc
Pin 3: Output

Units: mm