



Features

- Frequency Range 5 to 26 MHz
- 5 mm x 3.2 mm x 1.65 mm ceramic SMD
- ±2.5 ppm total aging over 20 years
- CMOS or clipped sine wave options
- ±0.280 ppm from -40°C to +85°C
- ±0.100 ppm from -20°C to +70°C

Typical Applications

- Femtocells, GPS Receivers
- Mobile Radio
- System Clocks for wide range of applications

Description

The TCXO5300THP family offers low noise compensation techniques combined with aggressive conditioning processes resulting in outstanding long term frequency stability, tightly distributed performance parameters, and superior long term reliability

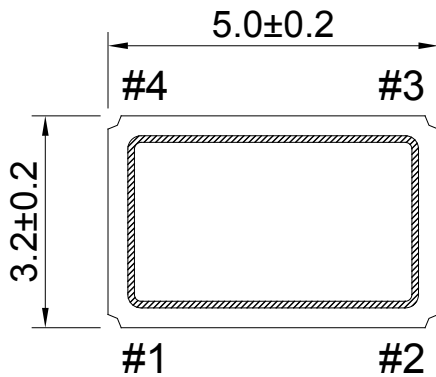
Picture of Part



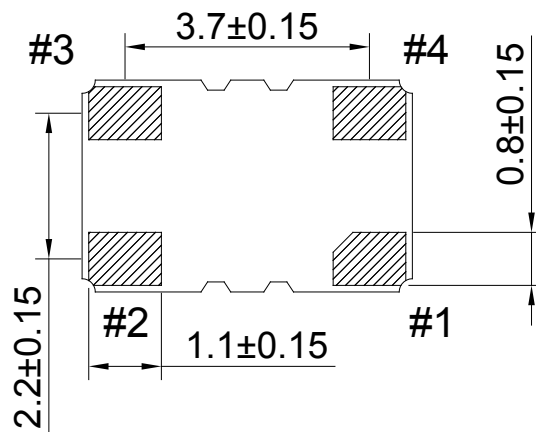
Mechanical Drawing & Pin Connections

Drawing No:MD140051-3

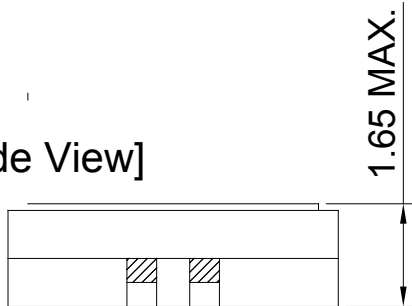
[Top View]



[Bottom View]



[Side View]



Pin	Function
#1	Vcon/Tri-state
#2	GND
#3	Output
#4	VDD

Unit : mm
1mm=0.0394inch



Ordering Information

TCXO5300THP-XX.XXXXXX-W-Y-Z-V

1. Field "XX.XXXXXX" is the Output Frequency to six decimals in MHz
2. Field "W" is Operating Temperature Range and Frequency Stability
 - a. "0" for -20°C to +70°C and ±0.100 ppm
 - b. "1" for -40°C to +85°C and ±0.280 ppm
 - c. "2" for -40°C to +85°C and ±0.500 ppm

***NOT all choices in section are available. Please contact Dynamic Engineers Inc. for further details regarding specific frequency and stability combination

3. Field "Y" is Power Supply Option
 - a. "0" for 5.0V ±5%
 - b. "1" for 3.3V ±5%
4. Field "Z" is Output Waveform Option
 - a. "0" for clipped sine wave
 - b. "1" for CMOS square wave
5. Field "V"
 - a. "0" for clock TCXO (no voltage control)
 - b. "1" for VCTCXO (voltage control on Pin1)

Part Number Example

TCXO5300THP-20.000000-2-1-0-0

This model denotes a
Clock TCXO
With 20MHz frequency
Temperature Range of -40°C to +85°C and ±0.5000 ppm stability
3.3V ±5% Power Supply
Clipped sine wave