



Features and Benefits

Frequency range: 100MHz
Supply voltage: 5.0V
Steady current: 25mA Max
Output waveform: Sinewave
Frequency stability vs. operating temperature: ±1.0ppm
Aging: ±1.0ppm per year
Operating temperature: -40°C to +85°C
Size: 14.3x8.7x5.5mm

Typical Applications

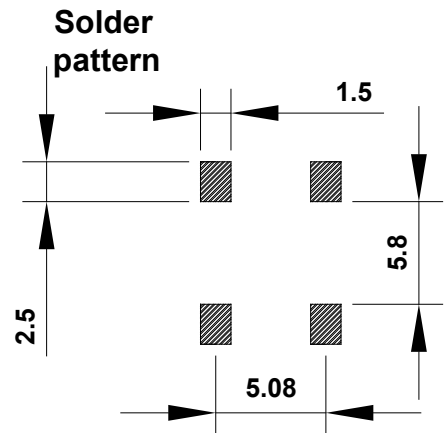
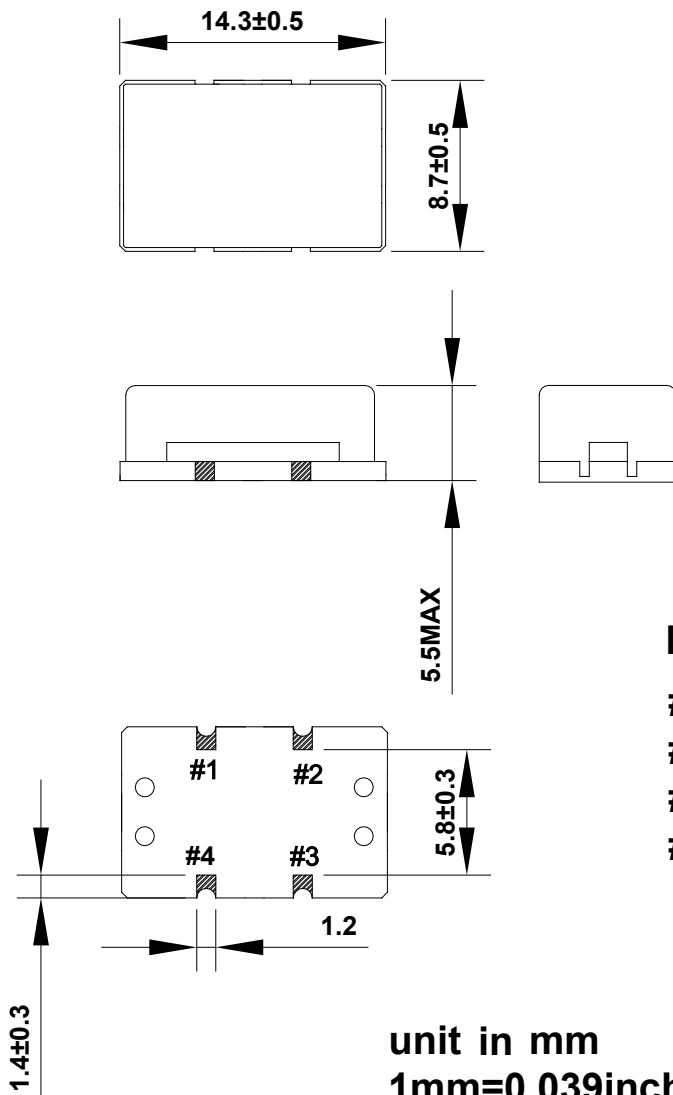
Communication Equipment

Description

TCXO914BE-100MHz-B-V offers wide temperature operation from -40°C to +85°C with outstanding frequency stability and low size.

Mechanical Drawing & Pin Connections

Drawing No: MD150099-1



Pin Connections:

- #1. N.C. or V.C
- #2. GND
- #3. OUTPUT
- #4. Vcc

unit in mm
1mm=0.039inch



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			100		MHz	
Output			Sinewave				
Load				50		ohm	
Level			+10			dBm	
Power Supply							
Voltage	V _{cc}	±5%		5.0		V	
Current Consumption					25	mA	
Frequency Stability							
Versus temperature		-40°C to +85°C		±1.0		ppm	
Tolerance at 25°C		@25°C		±0.5		ppm	
Versus change in supply voltage		±5%		±0.2		ppm	
Versus change in load		±10%		±0.2		ppm	
First Year Aging				±1.0		ppm	
Frequency Control							
Control Voltage			0.5		4.5	V	
Frequency Deviation			±5.0			ppm	
Environmental Conditions							
Operating temperature range		-40°C to +85°C					
Storage temperature range		-45°C to +90°C					