Dynamic Engineers Inc.
2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA
TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

TCXO914BE-200MHz-A
HCMOS Output TCXO

Features and Benefits

Frequency range: 200MHz
Supply voltage: 3.3V
Steady current: 100mA Max
Output waveform: HCMOS
Frequency stability vs. operating temperature: ±1ppm
Aging: ±1.0ppm per year
Operating temperature: -10°C to +85°C
Size: 14.3x8.7x5.5mm

Typical Applications

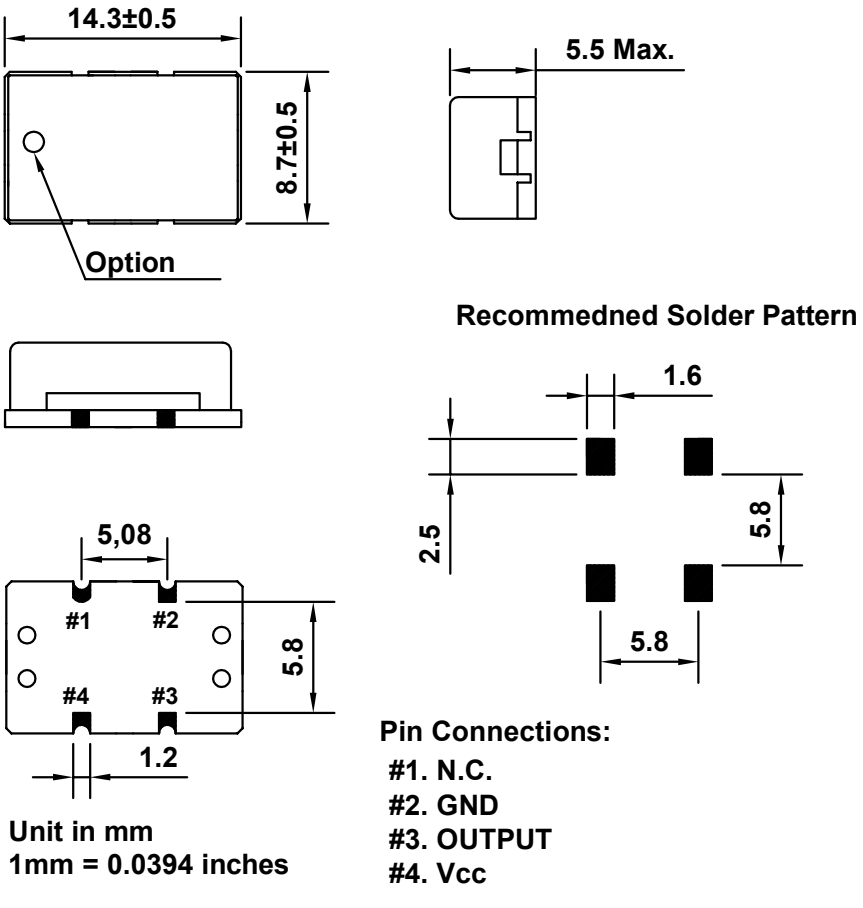
UHF Synthesizers
SATCOM System
Portable Microwave Applications

Description

TCXO914BE-200MHz-A is the high frequency HCMOS output TCXO. The frequency stability can less than ±1.0PPM from -10°C to +85°C operating temperature. It can be widely used in the portable communication device.

Mechanical Drawing & Pin Connections

Drawing No: MD150099-2



Unit in mm
1mm = 0.0394 inches

Pin Connections:
#1. N.C.
#2. GND
#3. OUTPUT
#4. Vcc

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Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	f_0			200		MHz	
RF Output							
Output Waveform				HCMOS			
Load				15		pF	
Output Level High			90%V_{cc}			V	
Output Level Low					10%V_{cc}	V	
Rise & Fall Time					10	ns	
Power Supply							
Voltage	V_{cc}	±5%		3.3		V	
Current					100	mA	
Frequency Stability							
Vs. Temperature		-10°C to +85°C			±1.0	ppm	
Vs. Supply Voltage		V_{cc} ±5%			±0.3	ppm	
Vs. Load		15pF±10%			±0.2	ppm	
Vs. Aging		Per year			±1.0	ppm	
Phase Noise		@100Hz		-105		dBc/Hz	
		@1KHz		-135			
		@10KHz		-145			
		@100KHz		-155			
Environmental Conditions							
Operating temperature range		-10°C to +85°C					
Storage temperature range		-55°C to +125 °C					