



Features and Benefits

Frequency range: 56MHz
Supply voltage: 5.0V
Steady current: 20mA Max
Output waveform: Sinewave
Frequency stability vs. operating temperature: ± 2.0 ppm
Aging: ± 1.0 ppm per year
Operating temperature: -40°C to $+85^{\circ}\text{C}$
Size: 11.4x9.6x5.0mm

Typical Applications

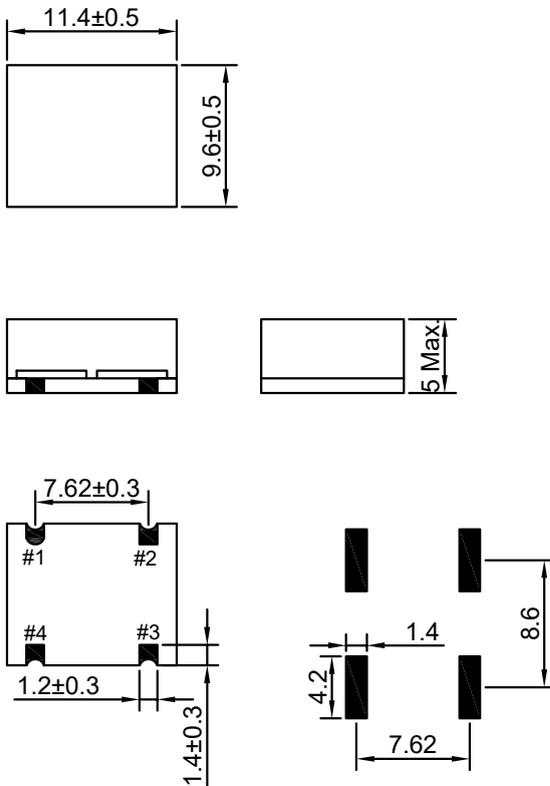
Communication Equipment

Description

TCXO1196BE-56MHz-A-V offers wide temperature operation from -40°C to $+85^{\circ}\text{C}$ with outstanding frequency stability and low size

Mechanical Drawing & Pin Connections

Drawing No: MD230024-1



PIN Function

PIN #	Symbol
1	Control Voltage
2	GND
3	Output
4	Supply Voltage

Unit in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			56		MHz	
Output			Sinewave				
Load				50		ohm	
Output power				+5.0		dBm	
Power Supply							
Voltage	V _{cc}	±5%		5.0		V	
Current Consumption					20	mA	
Frequency Stability							
Versus temperature		-40°C to +85°C			±2.0	ppm	
Tolerance @25°C±2°C		@V _c =+2.5V			±1.0	ppm	
Versus change in supply voltage		±5%			±0.2	ppm	
Versus change in load		±10%			±0.2	ppm	
First Year Aging					±1.0	ppm	
Phase Noise		1KHz offset			-135	dBc/Hz	
Frequency Control							
Control Voltage	V _c		0.5		4.5	V	
Frequency Deviation			±10			ppm	
Environmental Conditions							
Operating temperature range		-40°C to +85°C					
Storage temperature range		-45°C to +90°C					