



Features and Benefits

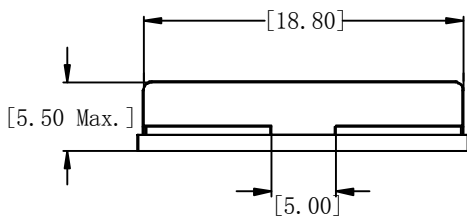
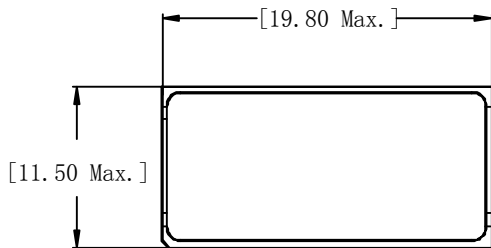
Frequency range: 9.6MHz
Supply voltage: 5V
Steady current: 5mA Max
Output waveform: Clipped sine
Frequency stability vs. operating temperature: ± 0.25 ppm
Aging: ± 1.0 ppm per year
Operating temperature: -40°C to +85°C
Size: 19.8x11.5x5.5mm

Typical Applications

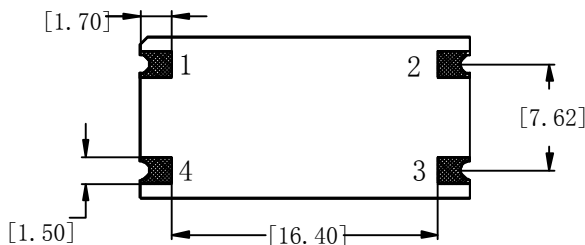
UHF Synthesizers
SATCOM System
Portable Microwave Applications

Mechanical Drawing & Pin Connections

Drawing No: MD220001-1



PIN	Connection
1	Control Voltage
2	Ground
3	Output
4	Vcc





Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	f ₀			9.6		MHz	
RF Output							
Output Waveform			Clipped sinewave				
Output Level		Industry standard	1.0			Vp-p	
Output Impedance			10Kohm//10pF				±10%
Power Supply							
Voltage	V _{cc}	±5%		5.0		V	
Current					5	mA	
Frequency Control							
Control Voltage Range			0.6	2.1	3.6	V	
Pulling Range			±5			ppm	
Slop			Positive Slope				
Frequency Stability							
Vs. Temperature		-40°C to +85°C			±0.25	ppm	
Vs. Supply Voltage		±5%			±0.2	ppm	
Vs. Load		±10%			±0.2	ppm	
Vs. Aging		1 st year			±1.0	ppm	
Phase noise		@1KHz		-135		dBc/Hz	
		@10KHz		-145		dBc/Hz	
		@100KHz		-148		dBc/Hz	
Environmental Conditions							
Operating temperature range		-40°C to +85°C					