Features and Benefits

Better than +/-1.5 PPM from -40°C to +85°C

3.3V supply; 20mA maximum

Less than -145dBc/Hz @ 1KHz offset Less than -155dBc/Hz @ 10KHz offset

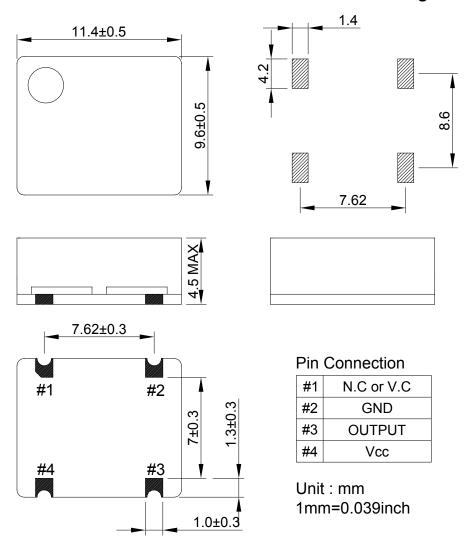
Typical Applications

Mobile Radio
Communication Equipments

Mechanical Drawing & Pin Connections

Drawing No: MD160051-1

Recommended Soldering Pattern





Dynamic Engineers Inc.

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

TCXO911K-20MHz-A-V_Rev2 High Performance SMD TCXO

Specifications

Oscillator Specification	Sym	Condition		Value			Made
			Min.	Тур.	Max.	Unit	Note
Nominal Frequency	F_{nom}			20.000000		MHz	
RF Output							
Output Wave Form				Sine wave			
Output Level			0			dB	
Output Load				50		Ohm	
Power Supply							
Supply Voltage	V _{cc}		3.135	3.3	3.465	V	
Supply Current		At maximum supply voltage			20	mA	
Frequency Control							
Control Voltage			0.15	1.65	3.15	V	
Pulling Range			+/-10			ppm	
Frequency Stability							
Initial Tolerance		Frequency @25°C, with 1.65V			+/-1	ppm	
\(\(\text{O}\) \(\text{T}\)		control voltage					
VS. Temperature		Over -40°C to +85°C			+/-1.5	ppm	
Aging		40.11			+/-1	ppm/year	
Phase noise (typ.)		10 Hz			-90	dBc/Hz	
		100 Hz			-125		
		1K Hz			-145		
		10K Hz			-155		
		100K Hz			-155		
		1M Hz			-158		
Environmental Conditions Parameter Reference Std.			T =				
Parameter				est Condition			
Operating temperature range	-40°C to						
Storage temperature range	-45°C to) +90°C					