

Dynamic Engineers Inc.

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

Features and Benefits

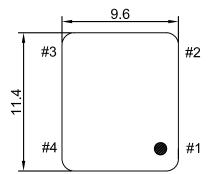
Better than ±0.3PPM from -40°C to +80°C 3.3V supply; 7mA maximum Phase Noise less than -140dBc/Hz @ 1KHz

TypicalApplications

Mobile Radio Communication Equipment

Mechanical Drawing & Pin Connections

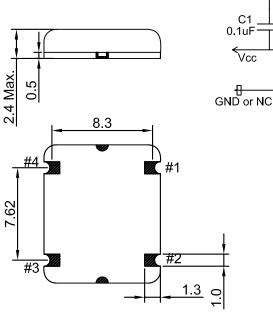
Drawing No:MD160111-1

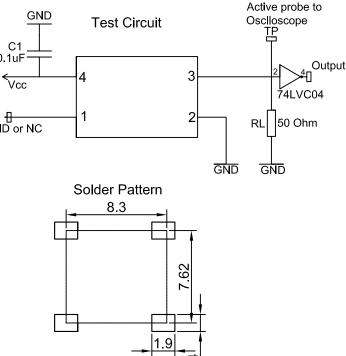


Pin Connection:

Pin#	Symbol	Function			
1	GND	Ground			
2	GND	Ground			
3	Output	RF Output Supply Voltage			
4	Vcc				

Unit : mm 1mm=0.039inch





Rev.1

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and graphs without notification to potential customers who may have earlier revisions in their possession.

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Specifications

Oscillator	0	O an allthing	Value			Unit	Note	
Specification	Sym	Condition	Min.	Тур.	Max.			
Nominal Frequency	F ₀			28.8000		MHz		
RF Output								
Output Wave Form			Sine Wave					
Output Level				> 3		dBm		
Load				50		Ω		
Power Supply								
Voltage				+3.3		V		
Current Consumption				<7		mA		
Frequency Stability								
VS. Toleranceex factory		@ +25°C	0.0		+1.0	ppm		
VS. Temperature		Over		≤±0.3		ppm		
Reference (F _{MAX} +F _{MIN})/2		-40°C to +80°C		⊒±0.0		ppm		
VS Supply Voltage Change		±5%		≤±0.1		ppm		
Reference to frequency at nominal supply				=±0.1		ppm		
VS.Load Change		±10%		≤±0.1		ppm		
Reference to frequency at nominal load				=±0.1		PPIII		
A gin g		1 st year		≤±1.0		ppm		
Aging		Over 10 years		≤±4.0				
Frequency Slope		Over operating		≤0.05		ppm/°C		
		temperature						
Short Term Stability ADEV		T = 1 s		<1 x 10 ⁻¹⁰				
Phase Noise								
		@ 10 Hz		-85		dBc/Hz		
		@ 100 Hz		-120				
Phase noise@ 28.8 MHz		@ 1 kHz		-140				
		@ 10 kHz		-150				
		@ 100 kHz		-155				
Environmental Conditions								
Parameter		Reference Std.						
Operating Temperature Range		-40°C to +80°C						
Storage Temperature Range		-55°C to +105°C						
Reflow Profiles as per IPC/JEDEC J-STD-0	20C	≤260°C over 10 sec. max						
Moisture Sensitivity		Level 1 (unlimited)						
Packing Units		Tape and Reel 500 or 1000 pcs						