Features and Benefits

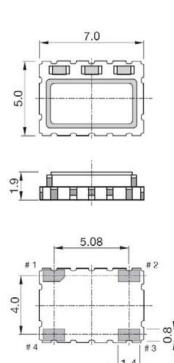
Better than +/- 300 ppb from -40°C to +85°C 51.2MHz low noise CMOS coutput 3.3V supply; 8mA maximum Less than -135dBc/Hz @ 1KHz offset Less than -150dBc/Hz @ 10KHz offset

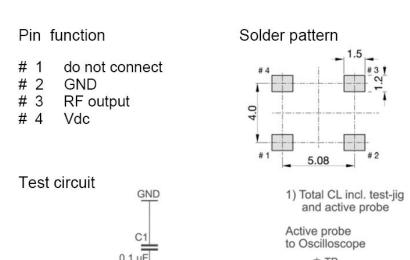
Typical Applications

Mobile Radio GPS Reference Beidou Navigation Systems

Mechanical Drawing & Pin Connections

Drawing No: MD150004-1





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74LVC04

15 pF 1)

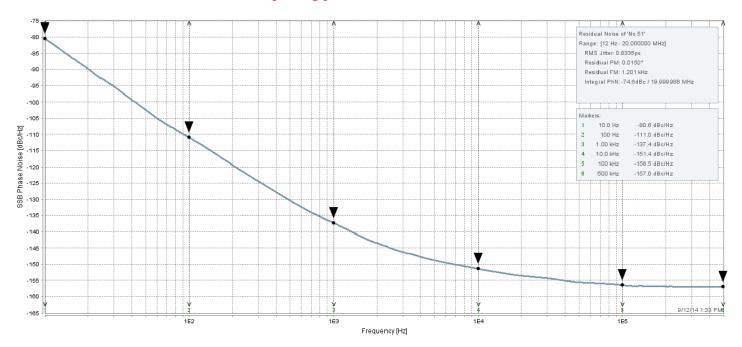
GND GND

Specifications

Oscillator Specification	Sym	Condition	Value			1124	Nere
			Min.	Тур.	Max.	Unit	Note
Nominal Frequency	F _{nom}			51.2000		MHz	
Output Wave Form			CMOS				
Output Voltage Level "1"			0.9 V _{dc}			V	
Output Voltage Level "0"					0.1 V _{dc}	V	
Output Load					15	pF	
Start Time					5.0	ms	
Power Supply							
Supply Voltage	V_{cc}		3.135	3.3	3.465	V	
Supply Current					8	mA	
Frequency Stability							
VS. Temperature		-40°C to +85°C (Ref, Fmax+Fmin)/2			+/-0.3	ppm	
Tolerance At 25°C		Frequency @25℃,			+/-0.5	ppm	
VS. Supply Voltage		Supply voltage varied +/-5% at 25°C			+/-0.1	ppm	
VS. Load Change		+-10% load change			+/-0.1	ppm	
First Year Aging					+/-1.0	ppm	
SSB Phase noise (typ.)		100 Hz		-110		dBc/Hz	
		1K Hz		-135			
		10 KHz		-150			
		100 KHz		-155			
Environmental Conditions							
Parameter	Reference Std.			Test Condition			
Operating temperature range		o +85°C					
Storage temperature range	-55°C to +105°C						
Reflow profiles	IPC/JEDEC J-STD-020C			<=260℃ over 10 sec. Max			

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Phase noise @50.0 carrier frequency plot



Allan deviation

