Features and Benefits

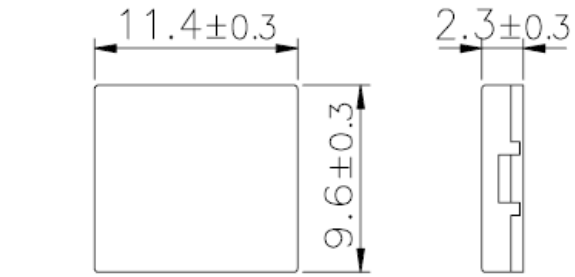
Electronic tuning range of +/-8 to +/-14PPM
Clipped sine output
5V supply
2mA current drain

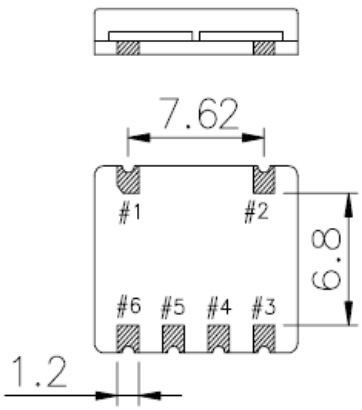
Typical Applications

Telecommunications Gear Reference Oscillator

Mechanical Drawing & Pin Connections

Drawing No: MD150012-1

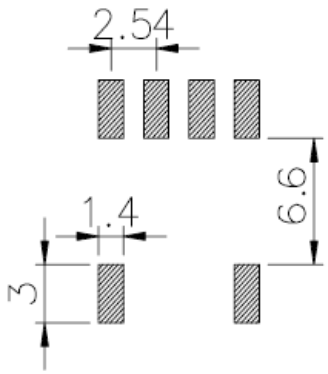




PIN CONNECTION

#1 GND
#2 GND
#3 OUTPUT
#4 GND
#5 V.C
#6 Vcc

Recommended Soldering Pattern



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Nominal Frequency	F_{nom}			12.8		MHz	
Output Wave Form				Clipped Sine wave			
Peak to Peak Voltage			0.8			V	
Output Load				10//10		K//pF	
Start-up Time					10.0	ms	
Power Supply							
Supply Voltage	V_{cc}		4.75	5.0	5.25	V	
Supply Current		At maximum supply voltage			2	mA	
Frequency Control*							
Control Voltage Range	V_c		0.5	1.5	2.5	V	Positive
Frequency Deviation			+/-8	+/-14		ppm	
Linearity					10.0	%	
Frequency Stability							
VS. Temperature		From -20°C to +70°C			+/-1.5	ppm	
Tolerance at 25°C		Frequency @25°C,+1.5V;			+/-2	ppm	
		24hours after reflow(With respect to initial frequency)			+/-1		
VS. Supply Voltage		Supply voltage varied +/-5% at 25°C			+/-0.3	ppm	
VS. Load Change		+-10% load change			+/-0.3	ppm	
First Year Aging		First year at 25°C			+/-1.0	ppm	

Environmental Conditions		
Parameter	**Reference Std.**	**Test Condition**
Operating temperature range	-20°C to +70°C	
Storage temperature range	-40°C to +85°C	