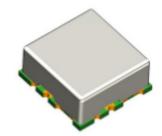


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Features and Benefits

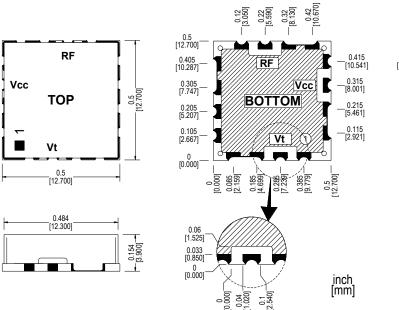
Frequency Range:169-179MHz Supply Voltage:3V Current: 8.5mA Typ. Output power: +2.5dBm Typ. Tuning Voltage: 0.5-4.5V Phase noise: -117dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm Package type: SMD **J7C%‰6E!% - A < n!%- A < n!5** FÎ JËFÏ JMHz SMD VCO_Voltage Controlled Oscillator

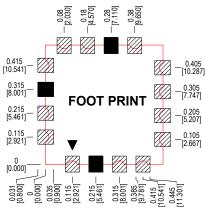


Typical Applications

SATCOM Receiver Test Equipment Radar Point –to-Point Radio MMDS WiMax

Mechanical Drawing & Pin Connections





Drawing No:

MD140084-2

PIN CONNECTIONS					
2	Vt				
10	RF Out				
14	Vcc				
Others	GND				

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Rev. 1

3

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Specifications

Para	imeter	Units	Min.	Typical	Max.
Operating Frequency F	Range	MHz	169		179
Power Supply (Vcc)	Voltage	Vdc		+3	
Fower Supply (VCC)	Current	mA		8.5	
Output Power		dBm		+2.5	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-117	
Phase Noise @100kHz offset		dBc / Hz		-137	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensiti		MHz / V		5	
2 nd Harmonic Suppress	sion	dBc		-13	
Pushing Figure		MHz / V		0.3	
Pulling Figure		MHz		0.5	
Input Capacitance		pF		330	
Operating Temperature	e Range	O°	-40		+85

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