

Dynamic Engineers Inc.

Website: www.DynamicEngineers.com Email: Inquiry@DynamicEngineers.com

Features and Benefits

Frequency Range:2000-2100MHz

Supply Voltage:5V Current: 27mA Typ. Output power: 0dBm Typ. Tuning Voltage: 0.5-4.5V

Phase noise: -107dBc/Hz@10KHz Operating temperature: -40°C--+85°C

Size:12.7x12.7x3.9mm Package type: SMD

J7C%&%6E!&\$\$\$A<n!&%\$\$A<n!5 GEEEEF€€MHz SMD VCO Voltage Controlled Oscillator



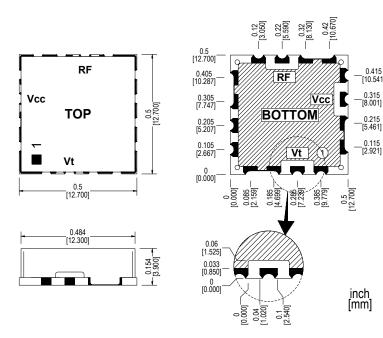
Typical Applications

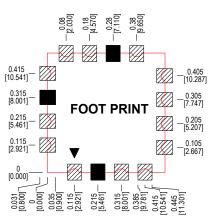
SATCOM Receiver Test Equipment Radar Point -to-Point Radio **MMDS** WiMax

Mechanical Drawing & Pin Connections

Drawing No:

MD140084-2





PIN CONNECTIONS			
2	Vt		
10	RF Out		
14	Vcc		
Others	GND		



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GEEEEEFEEMHz SMD VCO_Voltage Controlled
Oscillator

Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	2000		2100
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		27	
Output Power		dBm		0	
Output Impedance		Ω		50	
Phase Noise	@10kHz offset	dBc / Hz		-107	
Phase Noise	@100kHz offset	dBc / Hz		-127	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		40	
2 nd Harmonic Suppression		dBc		-20	
Pushing Figure		MHz / V		1	
Pulling Figure		MHz		1	
Input Capacitance		pF		47	
Operating Temperature Range		°C	-40		+85