

Dynamic Engineers Inc.

Website: <u>www.DynamicEngineers.com</u> Email: <u>Inquiry@DynamicEngineers.com</u>

Features and Benefits

Frequency Range:1369-1484MHz Supply Voltage:6V Current: 27mA Typ. Output power: +7dBm Typ. Tuning Voltage: 0.5-4.5V Phase noise: -112dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm Package type: SMD **J7C%&%6E!%*-A<n!%(,(A<n!5** 1369-1484MHz SMD VCO_Voltage Controlled Oscillator

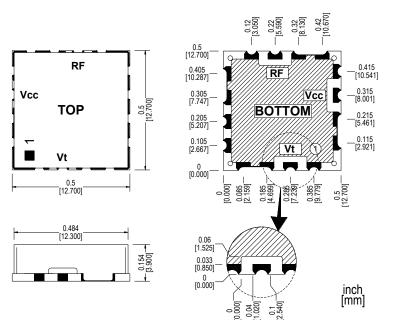


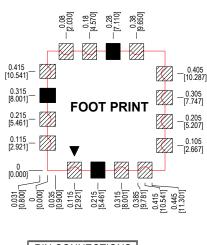
MD140084-2

Typical Applications

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

Mechanical Drawing & Pin Connections





Drawing No:

PIN CONNECTION					
2	Vt				
10	RF Out				
14	Vcc				
Others	GND				

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Rev. 1

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



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Specifications

Para	ameter	Units	Min.	Typical	Max.
Operating Frequency F	Range	MHz	1369		1484
Power Supply (Vcc)	Voltage	Vdc		+6	
	Current	mA		27	
Output Power		dBm		+7	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-112	
Phase Noise @100kHz offset		dBc / Hz		-131	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		40	
2 nd Harmonic Suppres	sion	dBc		-15	
Pushing Figure		MHz / V		0.3	
Pulling Figure		MHz		1	
Input Capacitance		pF		47	
Operating Temperatur	e Range	°C	-40		+85