

Dynamic Engineers Inc.

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

Features and Benefits

Frequency Range:1345-1375MHz Supply Voltage:5V Current: 22mA Typ. Output power: -1dBm Typ. Tuning Voltage: 0.5-4.5V Phase noise: -108dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm Package type: SMD **J 7 C [%]&%6 E !% () A < n!% +) A < n!5** FH Í ЁHÏ Í MHz SMD VCO_Voltage Controlled Oscillator

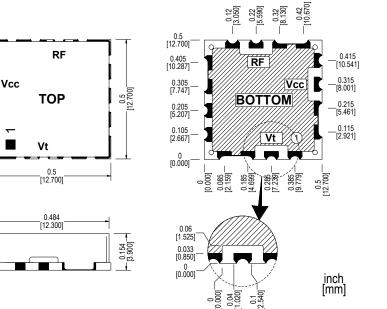


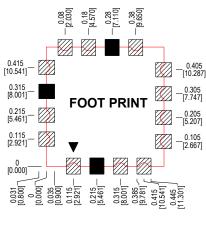
MD140084-2

Typical Applications

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

Mechanical Drawing & Pin Connections





Drawing No:

PIN CONNECTIONS				
2	Vt			
10	RF Out			
14	Vcc			
Others	GND			

Dynamic Engineers, Inc.

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

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	1345		1375
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		22	
Output Power		dBm		-1	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-108	
Phase Noise	@100kHz offset	dBc / Hz		-128	
Tuning Voltage (Vt)		V	0.5		4.5
Tuning Voltage Sensitivity (Kv)		MHz / V		19	
2 nd Harmonic Suppression		dBc		-15	
Pushing Figure		MHz / V		1	
Pulling Figure		MHz		1	
Input Capacitance		pF		100	
Operating Temperature Range		C°	-40		+85