

Dynamic Engineers Inc.

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

Features and Benefits

Frequency Range:2390-2680MHz Supply Voltage:6V Current: 28mA Typ. Output power: +7dBm Typ. Tuning Voltage: 1-10V Phase noise: -105dBc/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** G+U€Ë3 Ì €MHz SMD VCO_Voltage Controlled Oscillator

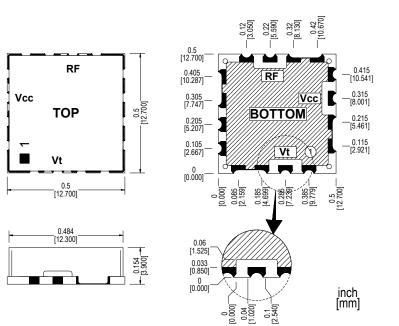


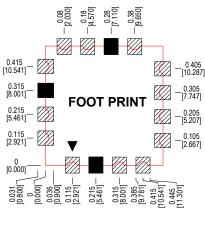
MD140084-2

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

Para	ameter	Units	Min.	Typical	Max.
Operating Frequency F	Range	MHz	2390		2680
Power Supply (Vcc)	Voltage	Vdc		+6	
	Current	mA		28	
Output Power		dBm		+7	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-105	
Phase Noise @100kHz offset		dBc / Hz		-125	
Tuning Voltage (Vt)		V	1		10
Tuning Voltage Sensit	ivity (Kv)	MHz / V		36	
2 nd Harmonic Suppres	sion	dBc		-20	
Pushing Figure		MHz / V		2	
Pulling Figure		MHz		3	
Input Capacitance		pF		0	
Operating Temperatur	e Range	O°	-40		+85

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