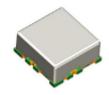


Dynamic Engineers Inc.

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

Features and Benefits

Frequency Range:91.5MHz Supply Voltage:5V Current: 7mA Typ. Output power: +5dBm Typ. Tuning Voltage: 0.5-2.2V Phase noise: -120dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm Package type: SMD **J 7 C ⅔⅔∕&6 E !- %) A < n!5** JFቿ MHz SMD VCO_Voltage Controlled Oscillator

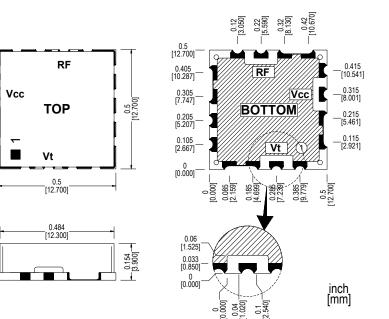


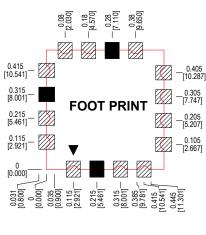
MD140084-2

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

3

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.



Dynamic Engineers Inc.

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

Specifications

Para	ameter	Units	Min.	Typical	Max.
Operating Frequency F	Range	MHz		91.5	
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		7	20
Output Power		dBm	+3	+5	+7
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-120	-115
Phase Noise @100kHz offset		dBc / Hz		-140	-135
Tuning Voltage (Vt)		V	0.5		2.2
Tuning Voltage Sensit	ivity (Kv)	MHz / V		1.4-8.4	
2 nd Harmonic Suppres	sion	dBc		-23	-15
Pushing Figure		MHz / V		4	
Pulling Figure		MHz		0.25	
Input Capacitance		pF		1000	
Operating Temperatur	e Range	°C	-40		+85

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.