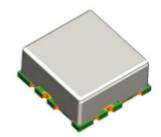


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Features and Benefits

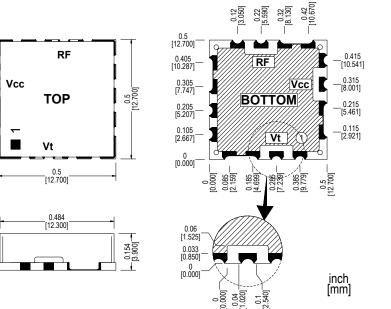
Frequency Range:2033-2286MHz Supply Voltage:5V Current: 25mA Typ. Output power: 0dBm Typ. Tuning Voltage: 1-22V Phase noise: -104dBc/Hz@10KHz Operating temperature: -40°C--+85°C Size:12.7x12.7x3.9mm Package type: SMD 

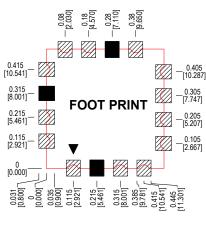
MD140084-2

Typical Applications

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

Mechanical Drawing & Pin Connections





Drawing No:

PIN	PIN CONNECTIONS				
2		Vt			
10		RF Out			
14		Vcc			
Others		GND			

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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.



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Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	2033		2286
Power Supply (Vcc)	Voltage	Vdc		+5	
	Current	mA		25	
Output Power		dBm		0	
Output Impedance		Ω		50	
Phase Noise @10kHz offset		dBc / Hz		-104	
Phase Noise	@100kHz offset	dBc / Hz		-124	
Tuning Voltage (Vt)		V	1		22
Tuning Voltage Sensitivity (Kv)		MHz / V		25	
2 nd Harmonic Suppression		dBc		-20	
Pushing Figure		MHz / V		1.5	
Pulling Figure		MHz		3	
Input Capacitance		pF		47	
Operating Temperature Range		O°	-40		+85