

Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

Features and Benefits

Frequency range: 4000MHz-6000MHz Supply voltage: 5V Current: 70mA Output power: +10dBm Min. Tuning voltage: 1.5V to 10V Phase noise: -102dBc/Hz@100KHz Operating temperature: -55°C to +85°C Size: 7.2x5.2x2.5mm

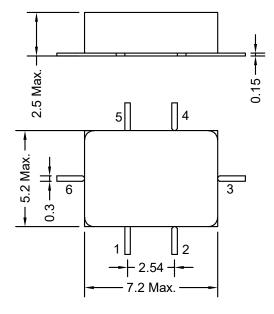
Typical Applications

SATCOM Receiver Radio MMDS Radar Test Equipment WiMax

Mechanical Drawing & Pin Connections

Drawing No: MD

MD240033-1



PIN	Function				
#1	GND				
#2	Secondary Output				
#3	Primary Output				
#4	Supply Voltage				
#5	GND				
#6	Tunning				

Unit in mm 1mm = 0.0394 inches

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.	Note
Operating Frequency Range		MHz	4000		6000	
Power Supply (Vcc)	Voltage	Vdc	4.75	5	5.25	
	Current	mA			70	
Primary Output Power		dBm	10			
Secondary Output Power		dBm	0			
Output Impedance		Ω		50		
Phase Noise	@100kHz offset	dBc / Hz			-102	
Tuning Voltage (Vt)		V	1.5		10	
2nd Harmonic Suppression		dBc			-13	Primary Output
Spurious		dBc			-70	
Tuning Resistance		MΩ		10		
Tuning Capacitance		pF		45		
Operating Temperature Range		°C	-55		+85	