



Features and Benefits

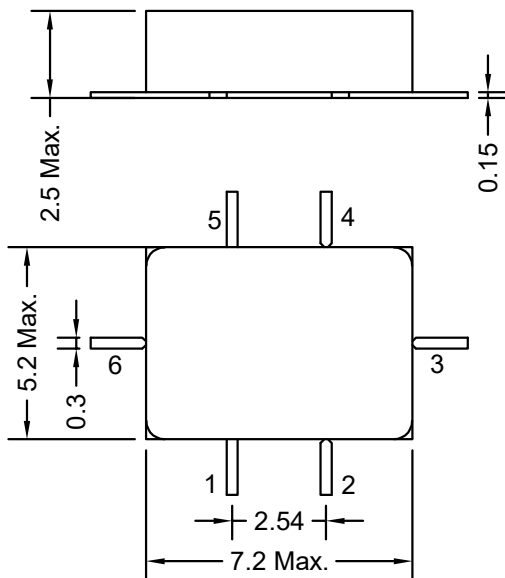
Frequency range: 4000MHz-6000MHz
Supply voltage: 5V
Current: 70mA
Output power: +10dBm Min.
Tuning voltage: 1.5V to 10V
Phase noise: -102dBc/Hz@100KHz
Operating temperature: -55°C to +85°C
Size: 7.2x5.2x2.5mm

Typical Applications

SATCOM
Receiver
Radio
MMDS
Radar
Test Equipment
WiMax

Mechanical Drawing & Pin Connections

Drawing No: **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



Specifications

Parameter	Units	Min.	Typical	Max.	Note
Operating Frequency Range	MHz	4000		6000	
Power Supply (Vcc)	Voltage	4.75	5	5.25	
	Current			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	M Ω		10		
Tuning Capacitance	pF		45		
Operating Temperature Range	$^{\circ}$ C	-55		+85	