

Features

Low phase noise
 Linear tuning characteristics
 Low pushing / Low pulling
 Aqueous washable

Applications

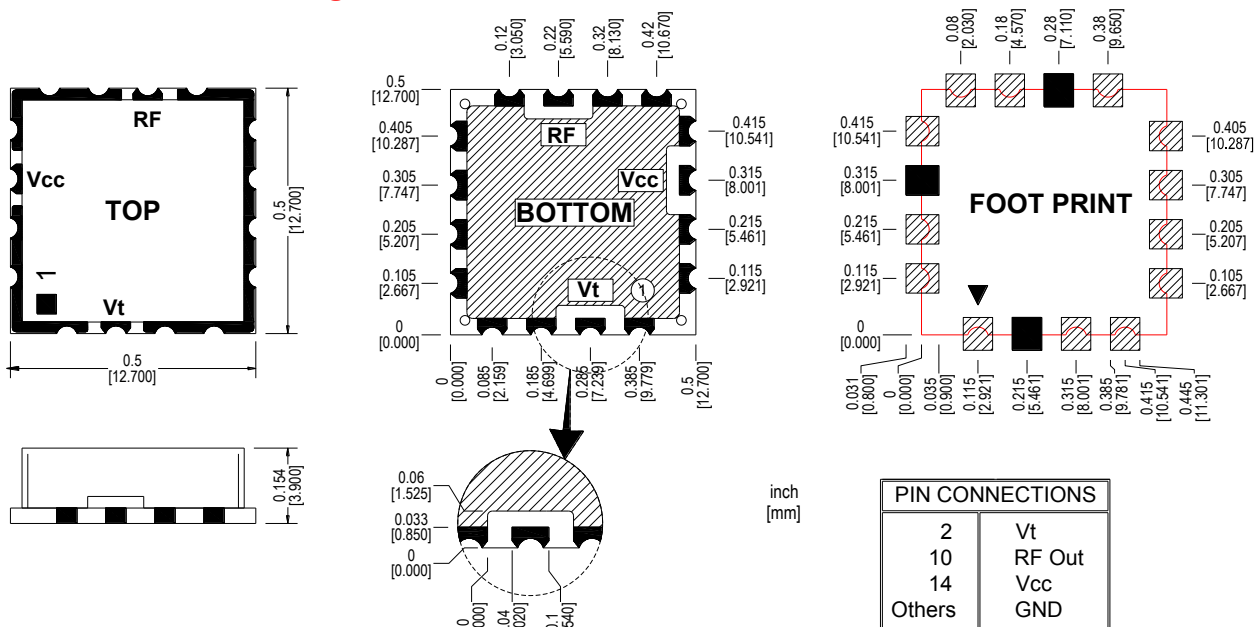
SATCOM	Point-to-Point
Receiver	Radio
Test Equipment	MMDS
Radar	WiMax

Specifications

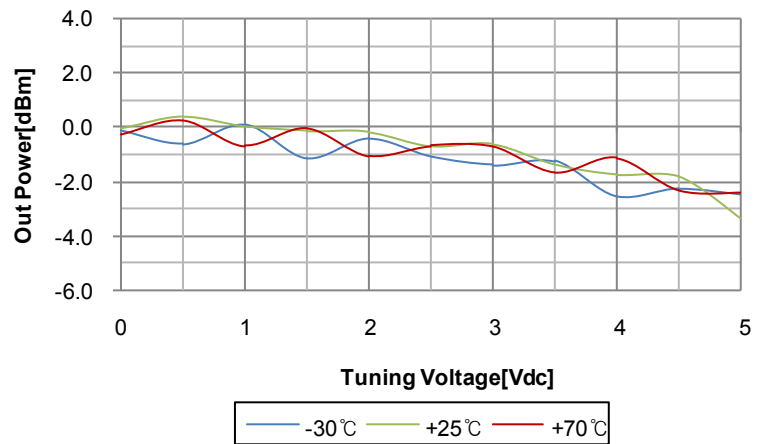
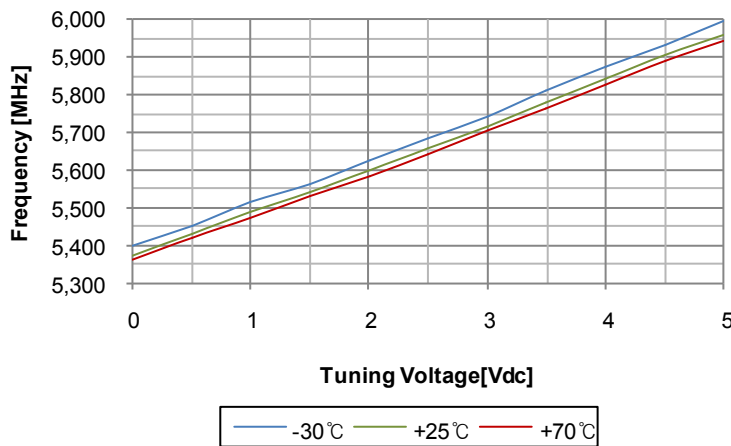
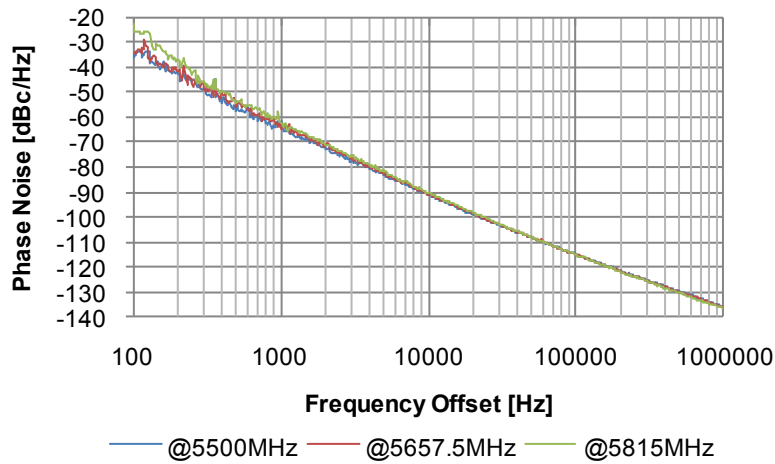


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	5500		5815
Output Power	dBm		0.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-90	
	@100kHz offset		-113	-110
Tuning Voltage (Vt)	Vdc	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		100	
2nd Harmonic Suppression	dBc		-22	
Power Supply (Vcc)	Voltage		5	
	Current		30	
Pushing Figure	MHz/V		1.5	
Pulling Figure (9.5dB Return Loss, all phases)	MHz		5	
Input Capacitance	pF		1	
Operating Temp. Range	$^{\circ}\text{C}$	-30		+70

Mechanical Drawing & PIN Connection



Performance Graphs



Performance Data

Vt [Vdc]	Frequency [MHz]			Kv [MHz/0.5V]			Output Power [dBm]			2nd Harmonic [dBc]
	+25°C	+70°C	-30°C	+25°C	+70°C	-30°C	+25°C	+70°C	-30°C	
0.0	5370.9	5360.7	5397.9	-	-	-	0.0	-0.3	-0.1	-30.1
0.5	5432.5	5422.0	5454.1	61.6	61.2	56.2	0.4	0.2	-0.6	-27.3
1.0	5487.7	5473.3	5513.3	55.2	51.4	59.2	0.0	-0.7	0.1	-27.5
1.5	5540.9	5530.0	5564.9	53.2	56.6	51.6	-0.2	0.0	-1.1	-23.2
2.0	5600.5	5584.1	5625.0	59.6	54.1	60.1	-0.2	-1.1	-0.4	-23.1
2.5	5655.7	5642.2	5683.5	55.2	58.2	58.5	-0.7	-0.7	-1.1	-23.6
3.0	5717.8	5704.1	5743.7	62.1	61.9	60.2	-0.6	-0.7	-1.4	-22.7
3.5	5779.3	5762.8	5810.6	61.5	58.7	66.8	-1.4	-1.7	-1.3	-23.1
4.0	5840.1	5827.0	5872.3	60.7	64.2	61.8	-1.8	-1.1	-2.6	-21.7
4.5	5904.1	5888.4	5933.2	64.1	61.4	60.9	-1.8	-2.3	-2.2	-20.8
5.0	5957.6	5941.9	5994.6	53.5	53.5	61.4	-3.3	-2.4	-2.5	-21.7