

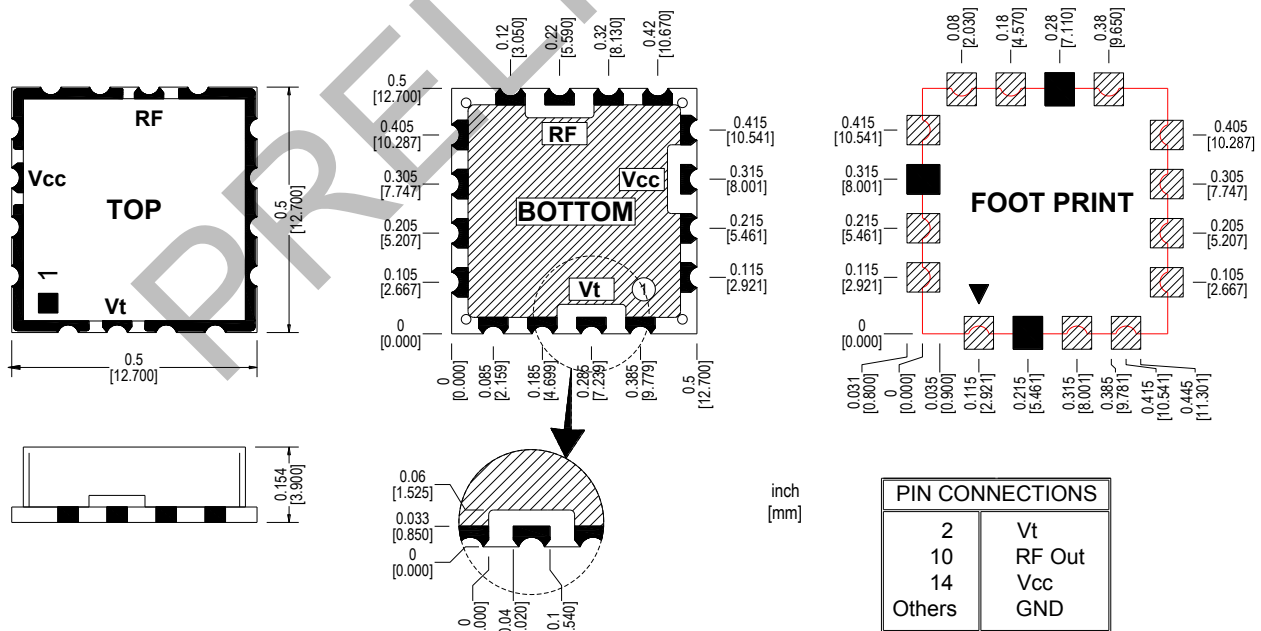
Features

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

Typical Applications

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

Mechanical Drawing and PIN Connections

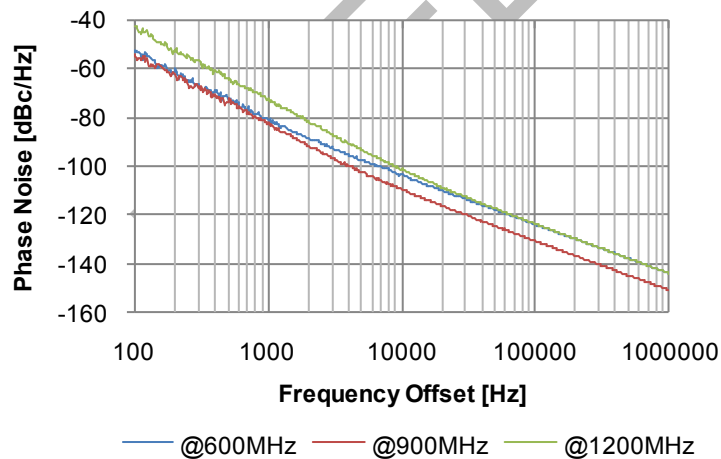


Specifications

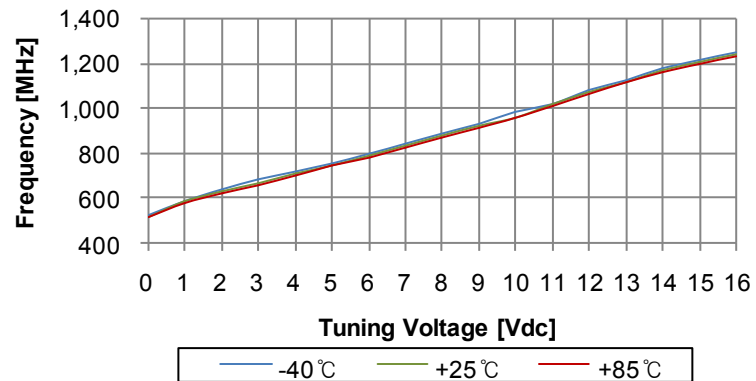
Electrical Characteristics

Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	600		1200
Output Power	dBm	+9.0	+12.5	+16.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-110	-105
	@100kHz offset		-131	-126
Tuning Voltage (Vt)	Vdc	0.0		16.0
Tuning Voltage Sensitivity (Kv)	MHz/V		30 - 70	
2nd Harmonic Suppression	dBc		-10	
Power Supply (Vcc)	Voltage		12	
	Current		15	20
Pushing Figure	MHz/V		0.6	
Pulling Figure	MHz		5.4	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

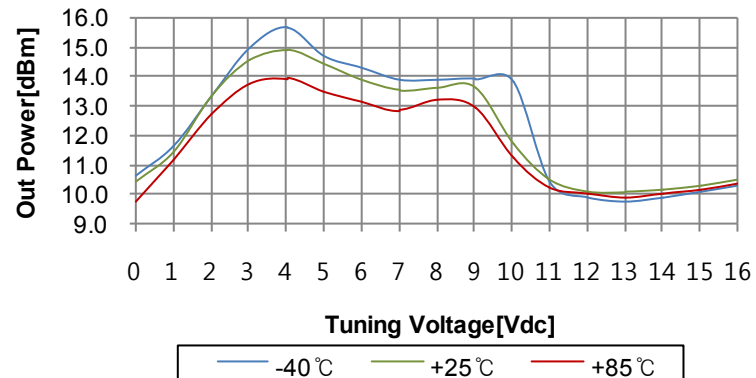
Performance Curves



Tuning Curve



Output Power Curve



Performance Data

Vt [Vdc]	Frequency [MHz]			Kv [MHz/V]			Output Power [dBm]			2nd Harmonic [dBc]
	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	
0.0	519.7	514.2	531.2	-	-	-	10.4	9.7	10.6	-13
1.0	585.3	580.6	592.0	65.6	66.4	60.8	11.4	11.2	11.6	-7
2.0	631.2	624.6	642.2	46.0	44.0	50.2	13.4	12.7	13.3	-5
3.0	671.3	662.6	683.2	40.1	38.0	41.0	14.5	13.8	15.0	-4
4.0	709.3	701.6	721.9	38.0	39.0	38.7	14.9	13.9	15.7	-5
5.0	748.4	743.8	759.9	39.1	42.2	38.0	14.4	13.5	14.7	-6
6.0	793.0	786.9	798.5	44.5	43.1	38.6	13.9	13.1	14.3	-8
7.0	838.1	830.8	844.7	45.1	44.0	46.3	13.5	12.8	13.9	-9
8.0	882.9	873.6	890.8	44.9	42.8	46.1	13.6	13.2	13.9	-9
9.0	927.6	915.1	936.9	44.6	41.5	46.1	13.6	13.0	13.9	-9
10.0	962.2	955.9	983.0	34.7	40.8	46.1	11.7	11.2	13.8	-10
11.0	1017.7	1010.8	1025.0	55.5	54.8	42.0	10.5	10.2	10.4	-13
12.0	1072.0	1063.7	1079.7	54.3	53.0	54.7	10.1	10.0	9.9	-16
13.0	1123.0	1114.8	1131.3	51.0	51.0	51.6	10.0	9.8	9.7	-19
14.0	1169.7	1160.8	1178.1	46.7	46.0	46.8	10.1	10.0	9.9	-21
15.0	1209.8	1201.0	1218.9	40.1	40.3	40.8	10.3	10.1	10.0	-24
16.0	1241.9	1232.8	1251.5	32.1	31.8	32.6	10.5	10.3	10.3	-23