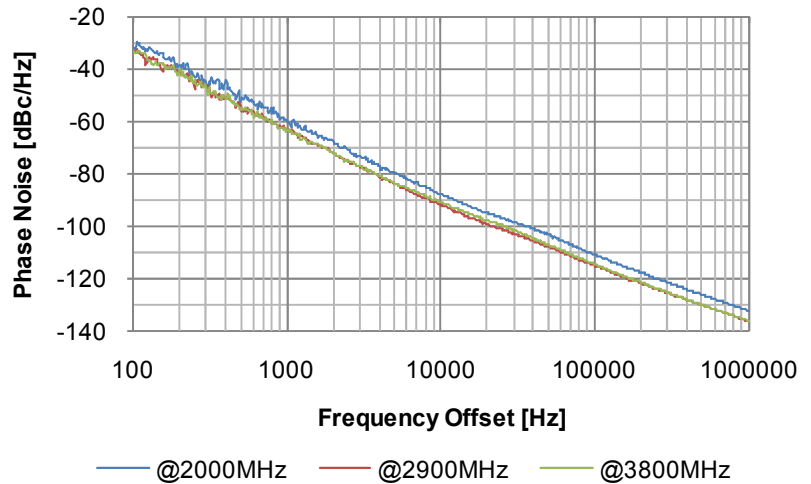


Features

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

Applications

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

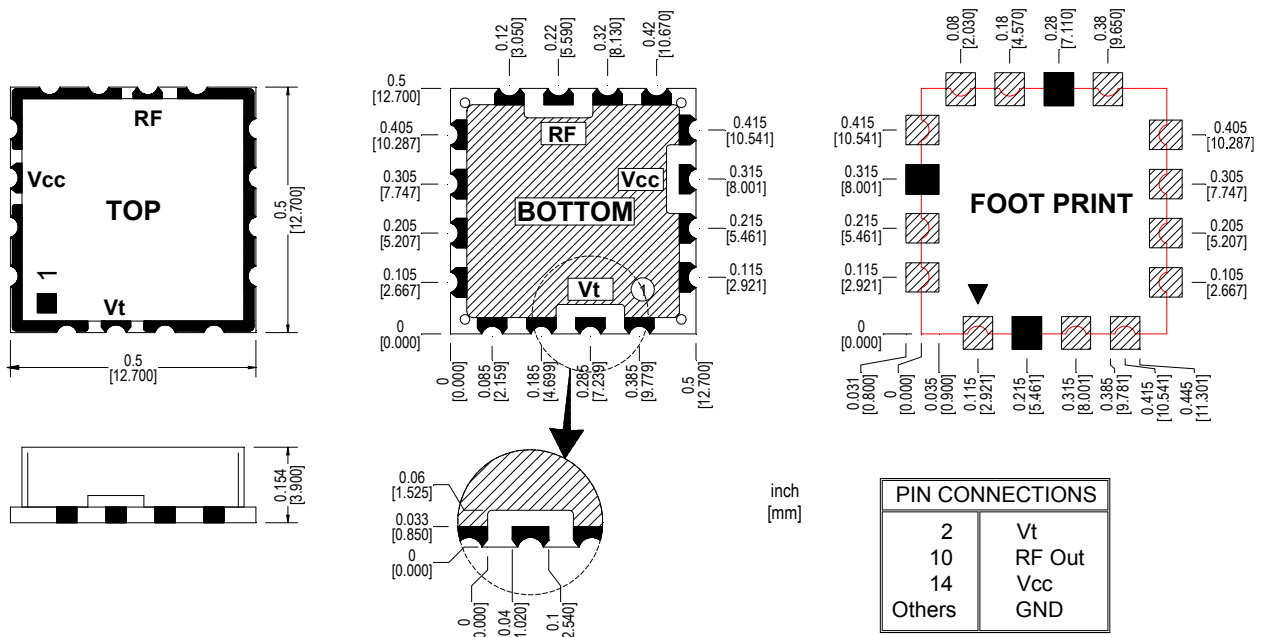


Electrical Characteristics

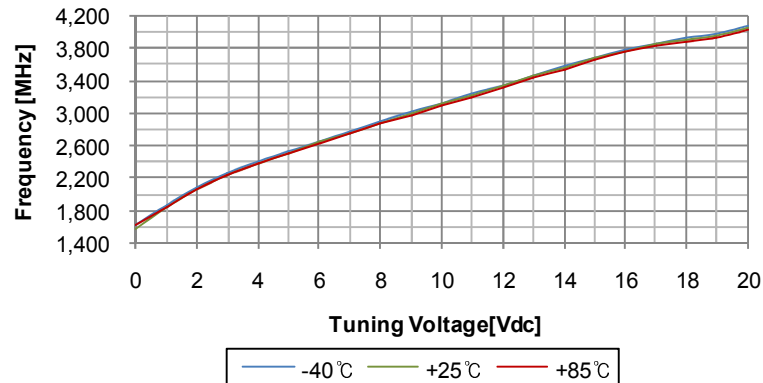


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2000		3800
Output Power	dBm		4.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-90	
Phase Noise @100kHz offset	dBc/Hz		-112	
Tuning Voltage (Vt)	Vdc	0		20.0
Tuning Voltage Sensitivity (Kv)	MHz/V		96 - 180	
2nd Harmonic Suppression	dBc		-14	
Power Supply (Vcc) Voltage	Vdc		5	
Power Supply (Vcc) Current	mA		48	
Pushing Figure	MHz/V		1.9	
Pulling Figure	MHz		2.1	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

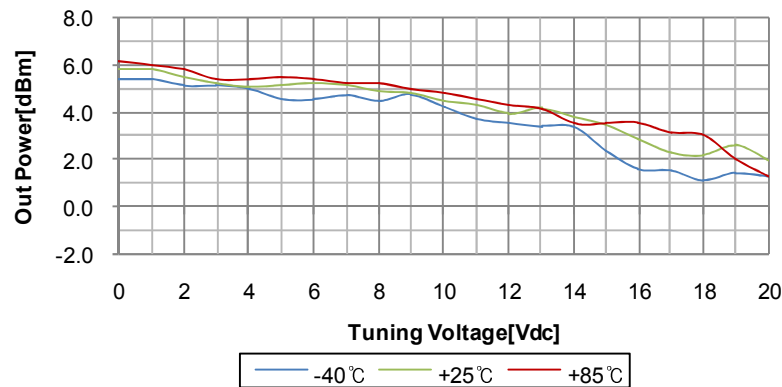
Dimensions



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	1578.4	1615.4	1612.0	-	-	-	5.9	6.2	5.4	-15.8
1.0	1852.5	1854.5	1880.6	274.1	239.2	268.6	5.8	6.0	5.4	-15.5
2.0	2063.2	2059.2	2085.5	210.6	204.7	204.9	5.5	5.8	5.1	-14.5
3.0	2237.4	2236.9	2259.2	174.2	177.7	173.7	5.3	5.4	5.1	-13.8
4.0	2387.9	2378.3	2406.8	150.5	141.4	147.6	5.1	5.4	5.0	-12.8
5.0	2520.4	2509.5	2530.4	132.5	131.2	123.6	5.2	5.5	4.6	-12.6
6.0	2645.1	2633.4	2665.1	124.7	123.9	134.7	5.3	5.4	4.6	-13.3
7.0	2765.7	2752.4	2775.7	120.6	119.0	110.6	5.2	5.3	4.7	-14.8
8.0	2882.4	2867.5	2892.4	116.7	115.1	116.7	4.9	5.2	4.5	-13.1
9.0	2998.5	2982.6	3017.4	116.1	115.1	125.0	4.8	5.0	4.8	-14.6
10.0	3113.9	3096.1	3123.9	115.3	113.5	106.4	4.5	4.9	4.2	-12.6
11.0	3228.3	3209.7	3248.3	114.4	113.6	124.4	4.4	4.6	3.7	-13.1
12.0	3342.5	3323.8	3352.5	114.2	114.0	104.2	4.0	4.3	3.5	-14.5
13.0	3456.8	3438.1	3470.0	114.3	114.4	117.5	4.2	4.1	3.4	-14.6
14.0	3570.4	3551.5	3585.9	113.7	113.3	115.9	3.8	3.5	3.4	-15.6
15.0	3678.8	3659.0	3693.6	108.4	107.5	107.8	3.4	3.5	2.4	-18.5
16.0	3775.6	3755.1	3792.1	96.8	96.1	98.5	2.9	3.5	1.6	-16.8
17.0	3854.5	3834.8	3870.9	78.9	79.7	78.8	2.3	3.2	1.6	-22.8
18.0	3915.3	3896.2	3930.4	60.8	61.4	59.5	2.2	3.0	1.1	-20.3
19.0	3965.7	3946.2	3984.3	50.4	50.0	53.9	2.6	2.0	1.4	-22.8
20.0	4058.3	4042.0	4077.4	92.6	95.8	93.1	2.0	1.3	1.3	-23.5