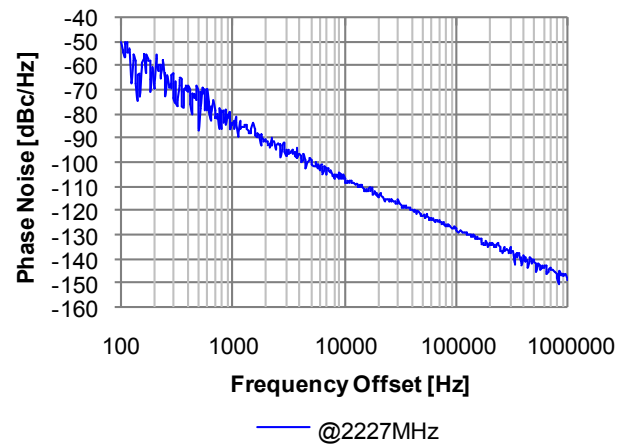


Features

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

Applications

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

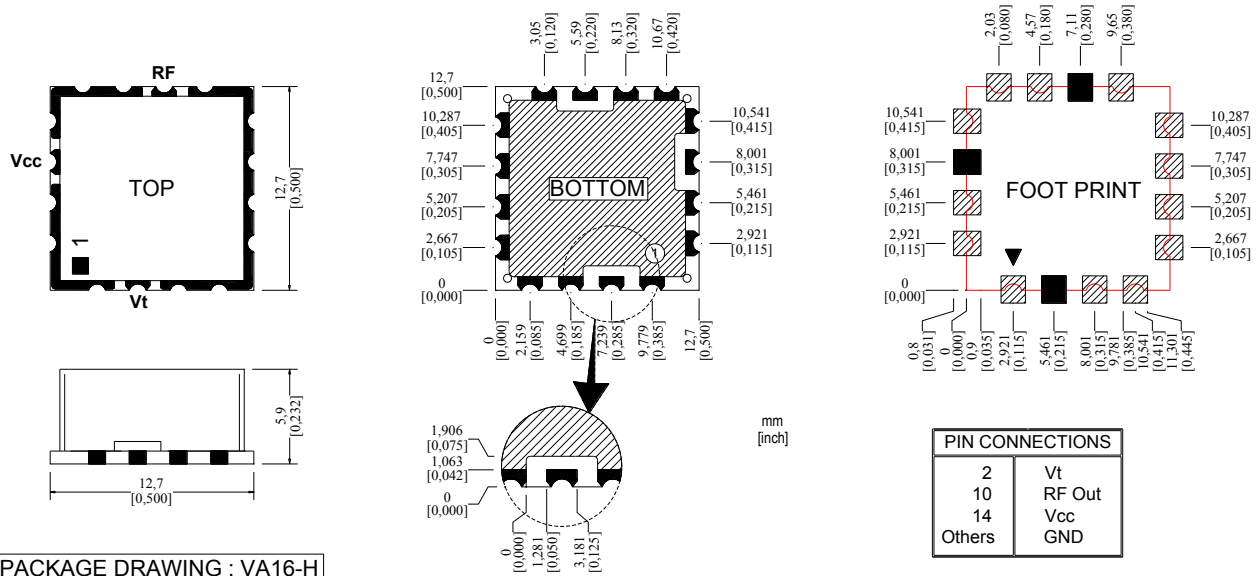


Electrical Characteristics

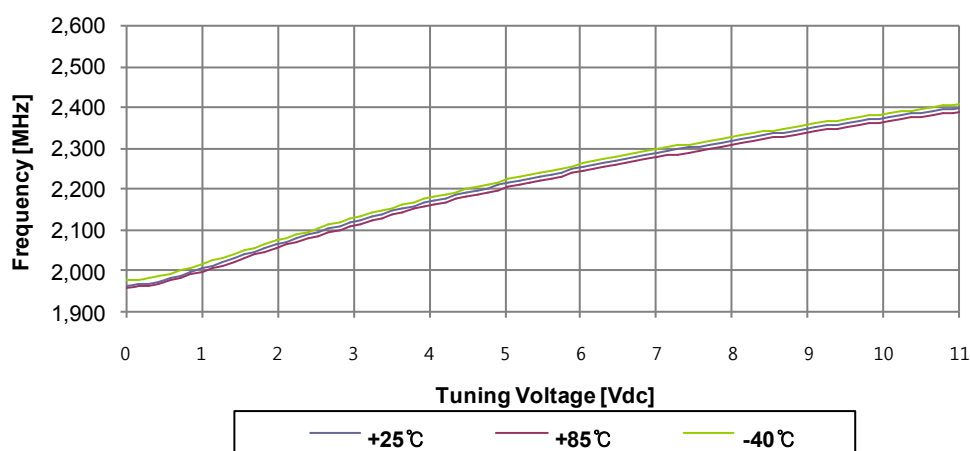


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2127.00		2327.00
Output Power	dBm	-5.0		+7.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-106	-98
Phase Noise @100kHz offset	dBc/Hz		-126	-121
Tuning Voltage (Vt)	Vdc	1.0		11.0
Tuning Voltage Sensitivity (Kv)	MHz/V		23.8 - 60.8	
2nd Harmonic Suppression	dBc		-16	-10
Power Supply (Vcc) Voltage	Vdc		10	
Power Supply (Vcc) Current	mA		40	50
Pushing Figure	MHz/V		6	
Pulling Figure	MHz		0.37	
Input Capacitance	pF		33	
Operating Temp. Range	°C	-40		+85

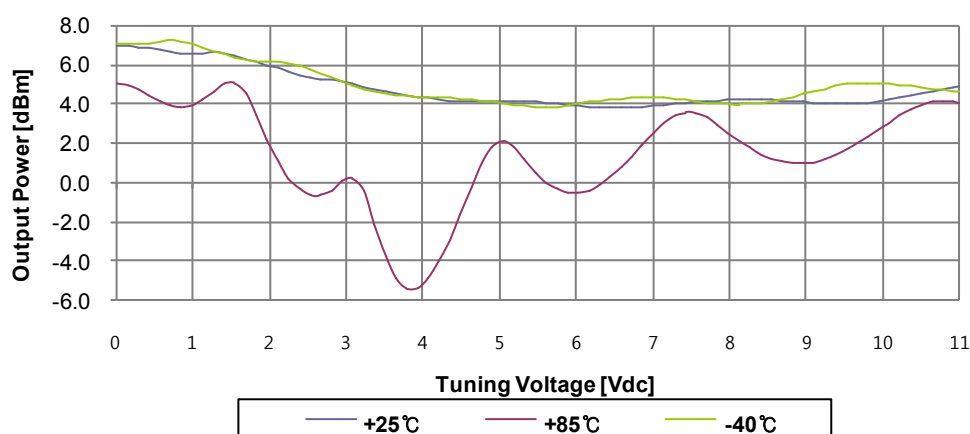
Dimensions



Tuning Curve



Output Power Curve



Performance Data

V _t [Vdc]	Frequency [MHz]			K _v [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	1962.2	1957.8	1973.5	-	-	-	6.9	5.0	7.0	-19.5
1.0	2003.7	1996.2	2013.8	41.5	38.3	40.3	6.6	3.9	7.0	-15.7
2.0	2062.0	2053.7	2071.4	58.3	57.5	57.6	6.0	2.2	6.2	-14.3
3.0	2122.8	2112.8	2132.0	60.8	59.1	60.5	5.0	0.2	4.9	-15.7
4.0	2170.4	2161.3	2179.5	47.6	48.6	47.5	4.3	-4.9	4.3	-15.9
5.0	2213.0	2202.4	2222.3	42.6	41.1	42.8	4.1	2.1	4.0	-16.7
6.0	2251.2	2241.7	2260.5	38.2	39.2	38.3	3.9	-0.5	4.0	-19.7
7.0	2285.7	2275.5	2295.0	34.5	33.8	34.5	3.9	2.5	4.3	-21.9
8.0	2316.9	2306.9	2326.4	31.2	31.5	31.4	4.2	2.5	4.0	-22.6
9.0	2345.7	2335.9	2355.1	28.7	29.0	28.7	4.1	1.0	4.5	-27.2
10.0	2375.6	2365.5	2384.7	29.9	29.6	29.6	4.2	3.0	5.0	-29.5
11.0	2399.3	2389.2	2408.6	23.7	23.7	23.9	4.9	4.0	4.6	-34.9