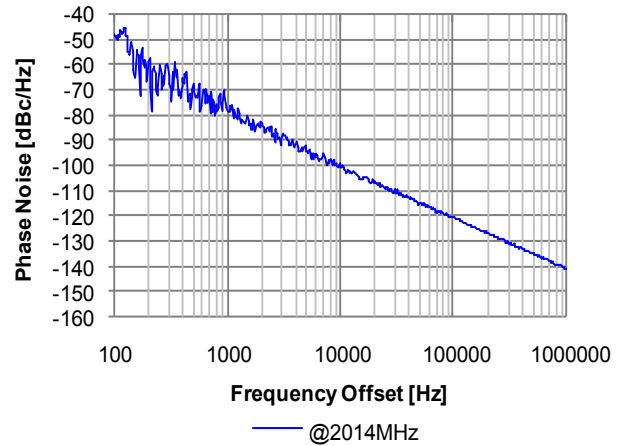


Features

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

Applications

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

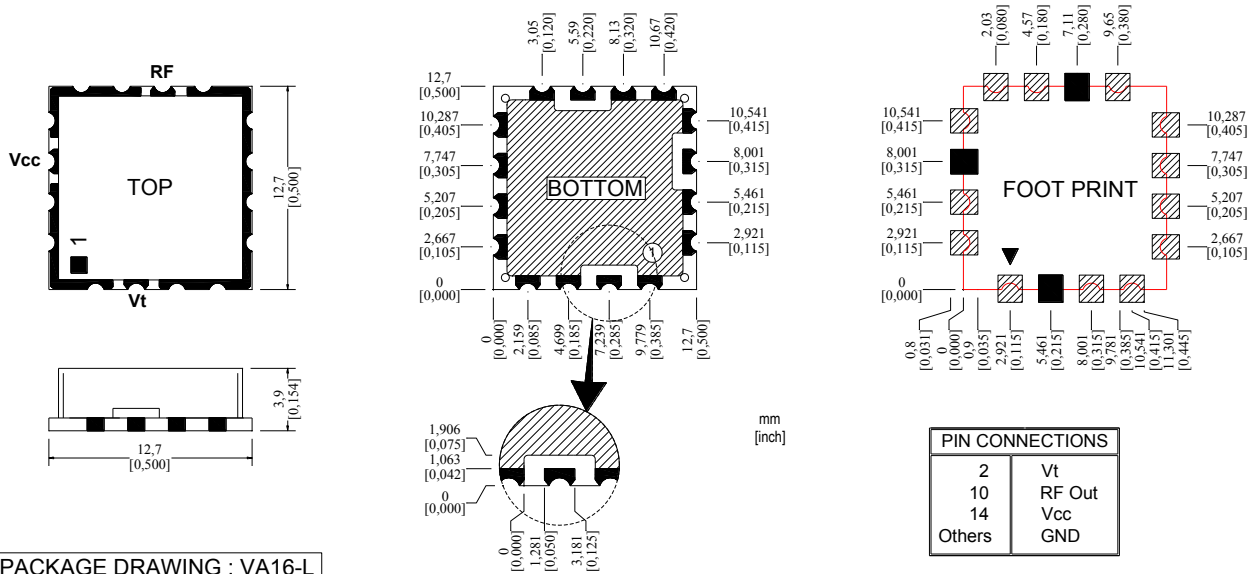


Electrical Characteristics

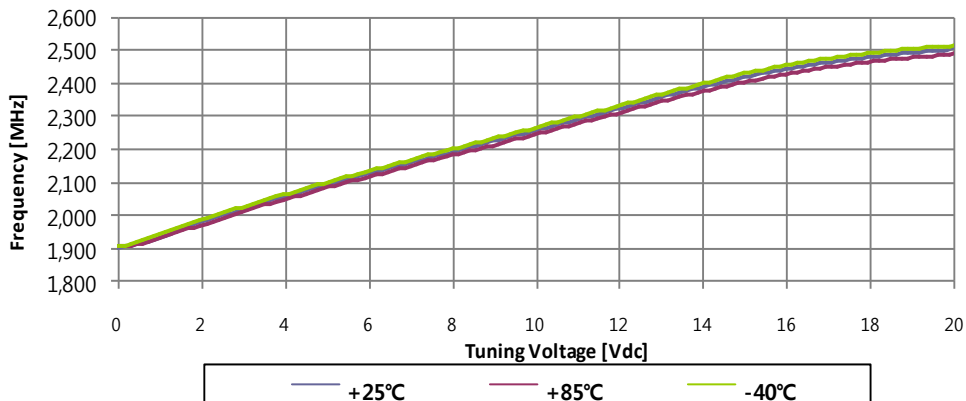


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1964.00		2064.00
Output Power	dBm	-2.0		+4.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-100	-95
	@100kHz offset		-120	-115
Tuning Voltage (Vt)	Vdc	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		12.2 - 45.7	
2nd Harmonic Suppression	dBc		-25	-20
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	15	20
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		0.85	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

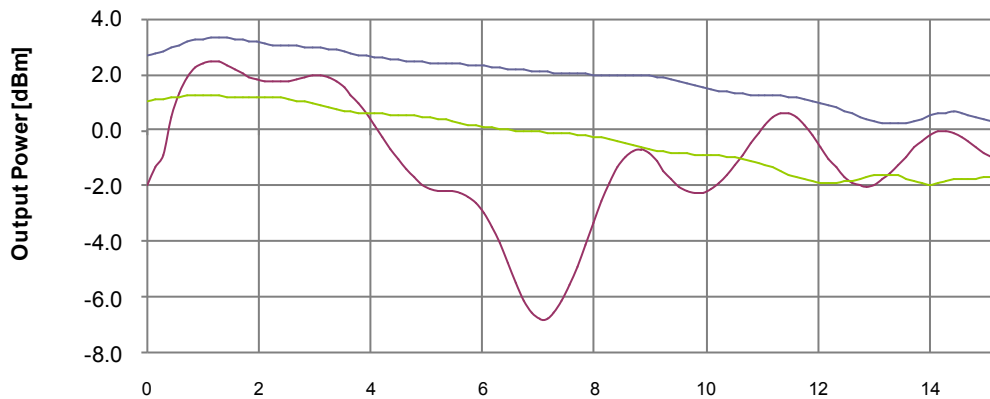
Dimensions



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	1904.8	1906.2	1910.0	-	-	-	2.7	-2.0	1.1	-38.4
1.0	1935.2	1930.7	1942.0	30.3	24.4	32.0	3.3	2.4	1.2	-41.6
2.0	1978.6	1971.7	1985.9	43.4	41.0	43.8	3.1	1.8	1.1	-46.9
3.0	2024.3	2017.1	2031.2	45.7	45.4	45.3	2.9	1.9	0.9	-44.6
4.0	2060.9	2052.2	2067.9	36.6	35.1	36.7	2.6	0.2	0.6	-35.4
5.0	2095.7	2087.7	2102.7	34.8	35.5	34.8	2.4	-2.1	0.4	-29.5
6.0	2129.0	2118.9	2136.4	33.3	31.2	33.7	2.3	-3.0	0.1	-26.9
7.0	2161.7	2151.6	2169.5	32.6	32.6	33.1	2.1	-6.8	-0.1	-25.9
8.0	2193.8	2183.9	2201.8	32.1	32.3	32.3	2.0	-3.3	-0.2	-25.2
9.0	2225.6	2213.1	2234.0	31.8	29.2	32.2	2.0	-0.9	-0.7	-21.7
10.0	2262.1	2251.0	2270.8	36.5	38.0	36.9	1.5	-2.2	-0.9	-17.7
11.0	2294.5	2282.0	2303.1	32.3	31.0	32.3	1.3	0.2	-1.3	-17.3
12.0	2327.0	2313.9	2336.1	32.5	31.9	33.0	1.0	-0.6	-1.9	-15.0
13.0	2359.9	2346.9	2369.2	33.0	33.0	33.0	0.3	-2.0	-1.6	-9.1
14.0	2391.2	2376.8	2401.3	31.3	29.9	32.2	0.5	-0.2	-2.0	-8.8
15.0	2419.8	2404.9	2430.9	28.5	28.0	29.6	0.4	-0.8	-1.7	-5.7
16.0	2444.4	2429.5	2456.1	24.6	24.6	25.2	0.3	-1.8	-1.2	-5.7
17.0	2467.0	2452.0	2478.9	22.6	22.5	22.8	0.3	-0.8	-1.2	-2.3
18.0	2482.6	2467.5	2494.5	15.6	15.4	15.6	0.8	-0.1	-1.0	-4.2
19.0	2495.0	2479.7	2506.8	12.4	12.2	12.3	0.7	-0.1	-0.9	-5.0
20.0	2509.6	2494.5	2520.8	14.6	14.8	14.0	0.2	-0.4	-1.0	-4.1