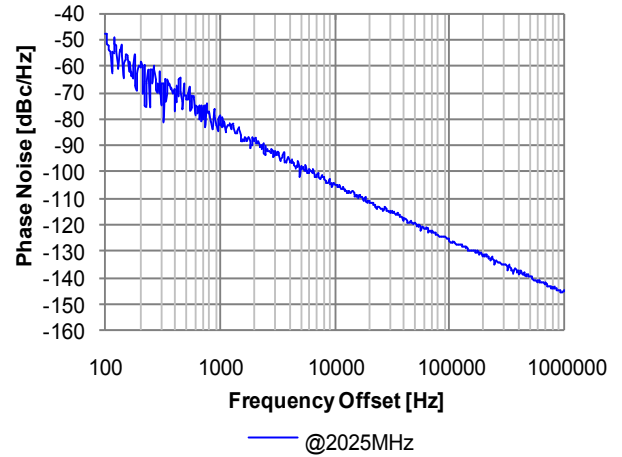


Features

- 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

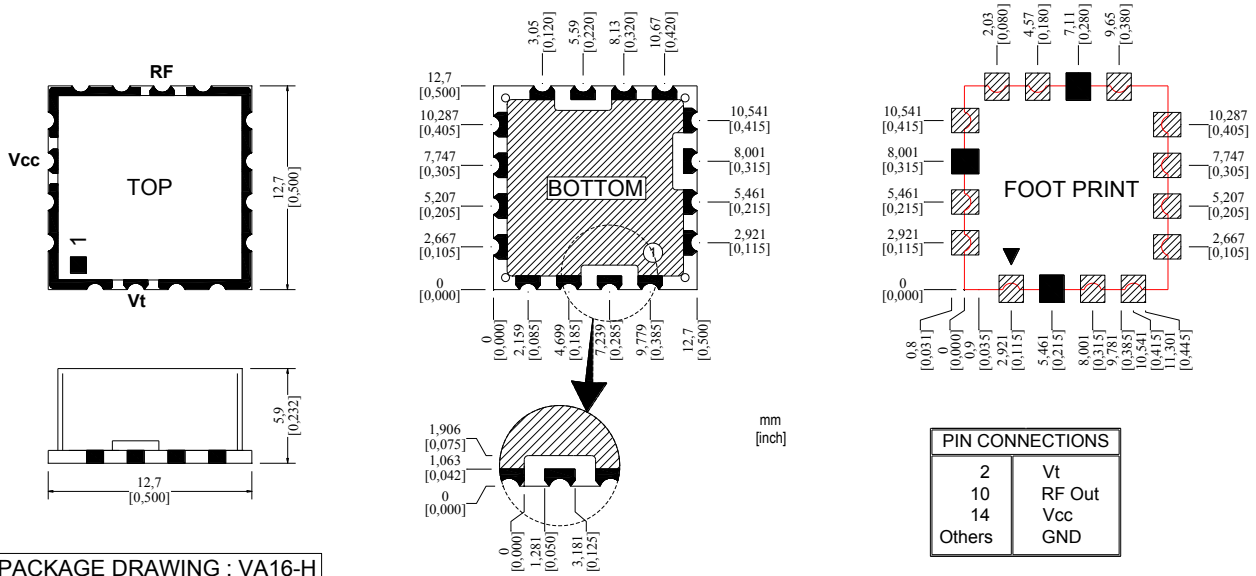


Electrical Characteristics

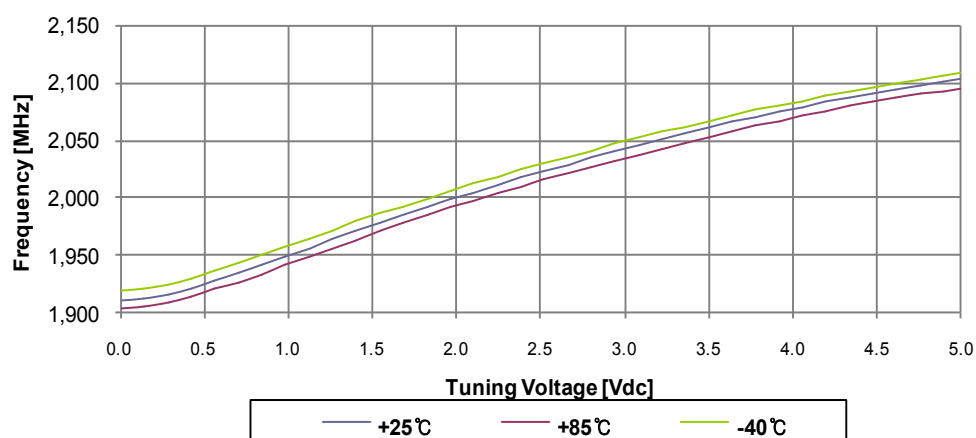


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1990.00		2060.00
Output Power	dBm	-1.0		+7.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-105	-97
Phase Noise @100kHz offset	dBc/Hz		-125	-120
Tuning Voltage (Vt)	Vdc	0.0		5.0
Tuning Voltage Sensitivity (Kv)	MHz/V		22.9 - 52.7	
2nd Harmonic Suppression	dBc		-23	-10
Power Supply (Vcc) Voltage	Vdc		8	
Power Supply (Vcc) Current	mA		25	35
Pushing Figure	MHz/V		5	
Pulling Figure	MHz		0.73	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

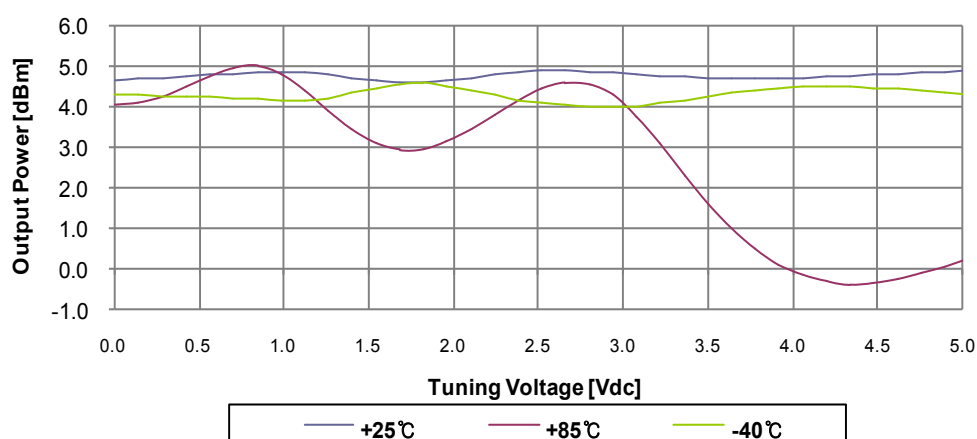
Dimensions



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	1910.1	1903.9	1919.3	-	-	-	4.7	4.1	4.3	-18.3
0.5	1927.0	1919.9	1936.1	33.7	31.9	33.5	4.8	4.8	4.3	-19.3
1.0	1948.4	1940.5	1957.1	42.9	41.3	42.0	4.9	4.8	4.1	-21.1
1.5	1977.5	1970.0	1985.7	58.2	59.0	57.3	4.6	3.1	4.5	-22.5
2.0	1998.1	1990.8	2005.4	41.1	41.5	39.3	4.7	3.2	4.5	-23.4
2.5	2023.0	2015.1	2029.6	49.8	48.6	48.4	4.9	4.5	4.1	-25.5
3.0	2045.2	2036.4	2051.6	44.5	42.6	44.0	4.8	3.8	4.0	-27.3
3.5	2060.5	2052.0	2066.5	30.5	31.2	29.8	4.7	1.6	4.3	-27.5
4.0	2078.7	2070.9	2084.3	36.4	37.8	35.6	4.7	-0.2	4.5	-26.4
4.5	2090.4	2082.9	2095.9	23.6	23.9	23.3	4.8	-0.4	4.5	-26.2
5.0	2103.6	2095.7	2108.7	26.2	25.6	25.6	4.9	0.2	4.3	-26.3