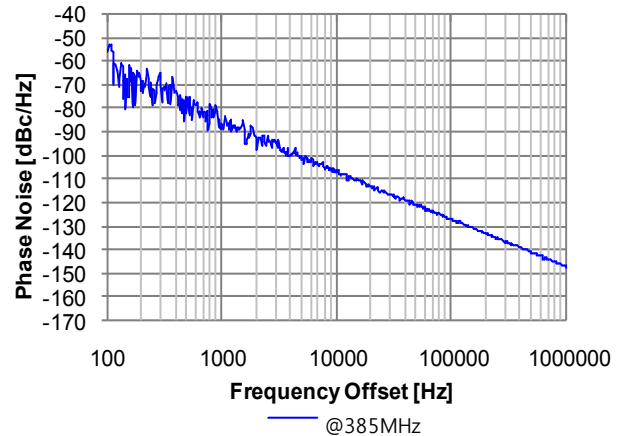


Features

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

Applications

- Broadcast
- VHF radio
- Wireless Telemetry
- Test Instrument-Signal Generation

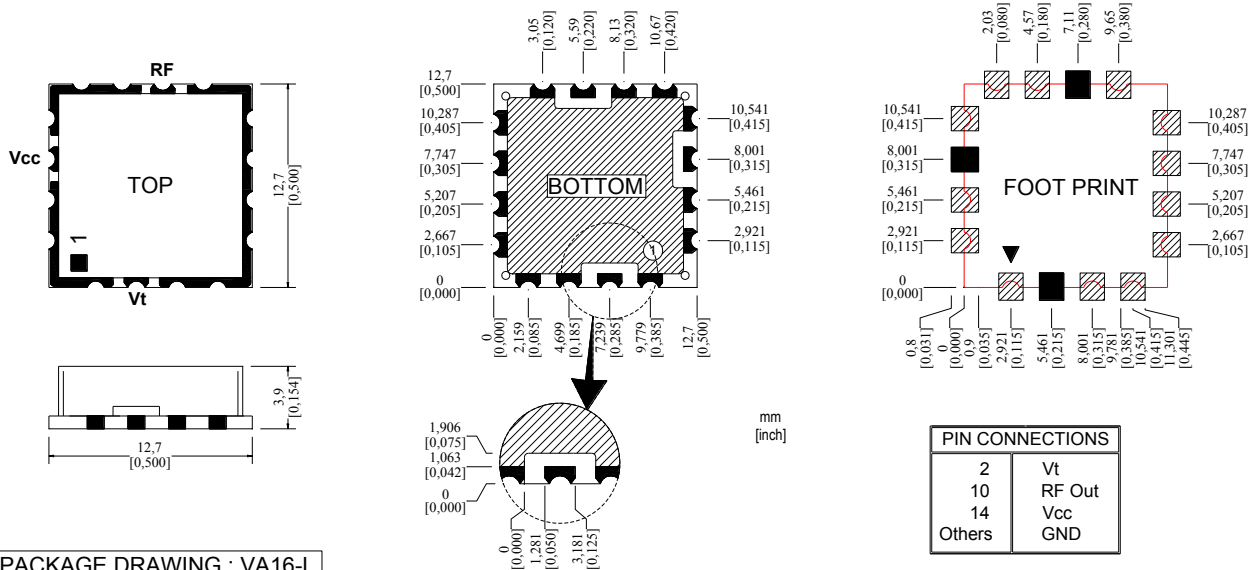


Electrical Characteristics

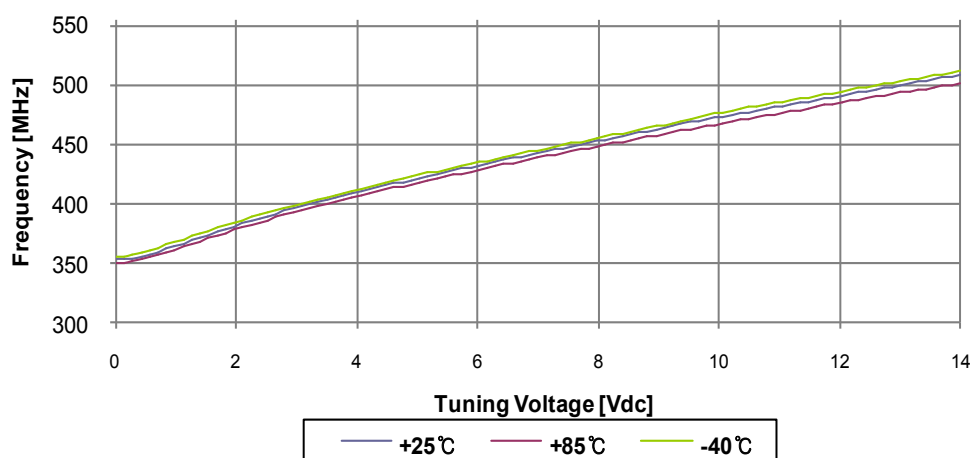


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	365		405
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-107	-102
Phase Noise @100kHz offset	dBc/Hz		-127	-122
Tuning Voltage (Vt)	Vdc	0.0		4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		7.6 - 16.5	
2nd Harmonic Suppression	dBc		-22	-15
Power Supply (Vcc) Voltage	Vdc		5	
Power Supply (Vcc) Current	mA		15	25
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		0.87	
Input Capacitance	pF		1000	
Operating Temp. Range	°C	-40		+85

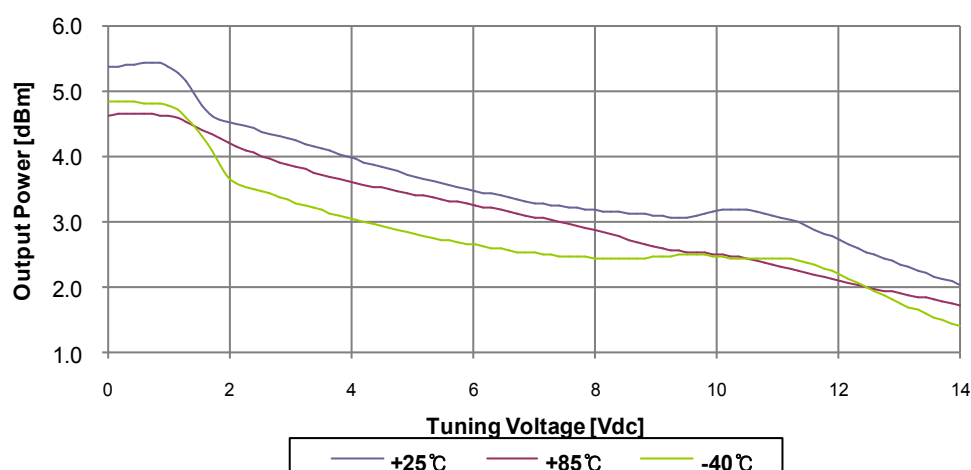
Dimensions



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	353.0	350.6	355.6	-	-	-	5.4	4.6	4.9	-27.1
1.0	364.5	361.7	368.0	11.6	11.1	12.4	5.4	4.6	4.8	-23.7
2.0	381.2	378.0	384.2	16.7	16.3	16.2	4.5	4.2	3.7	-23.3
3.0	397.8	394.4	400.5	16.5	16.4	16.3	4.2	3.8	3.3	-22.9
4.0	410.3	406.8	412.9	12.5	12.4	12.4	4.0	3.6	3.0	-22.7
5.0	421.7	418.1	424.3	11.4	11.3	11.3	3.7	3.4	2.8	-22.9
6.0	432.3	428.5	434.9	10.6	10.4	10.6	3.5	3.3	2.6	-23.5
7.0	442.6	438.5	445.1	10.2	10.0	10.2	3.3	3.1	2.5	-23.8
8.0	452.5	448.2	455.0	9.9	9.7	10.0	3.2	2.9	2.5	-23.8
9.0	462.5	457.6	465.0	10.0	9.4	10.0	3.1	2.6	2.5	-24.5
10.0	473.4	467.8	476.9	10.9	10.2	11.8	3.2	2.5	2.5	-23.8
11.0	482.0	476.4	485.6	8.6	8.6	8.8	3.1	2.3	2.4	-23.3
12.0	490.8	485.0	494.3	8.8	8.6	8.6	2.7	2.1	2.2	-22.7
13.0	499.6	493.3	503.0	8.8	8.3	8.8	2.3	1.9	1.8	-22.1
14.0	508.4	500.9	511.5	8.7	7.6	8.4	2.0	1.7	1.4	-22.0