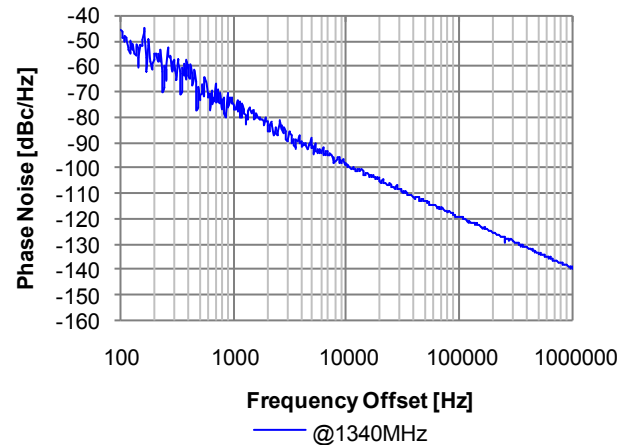


Features

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

Applications

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

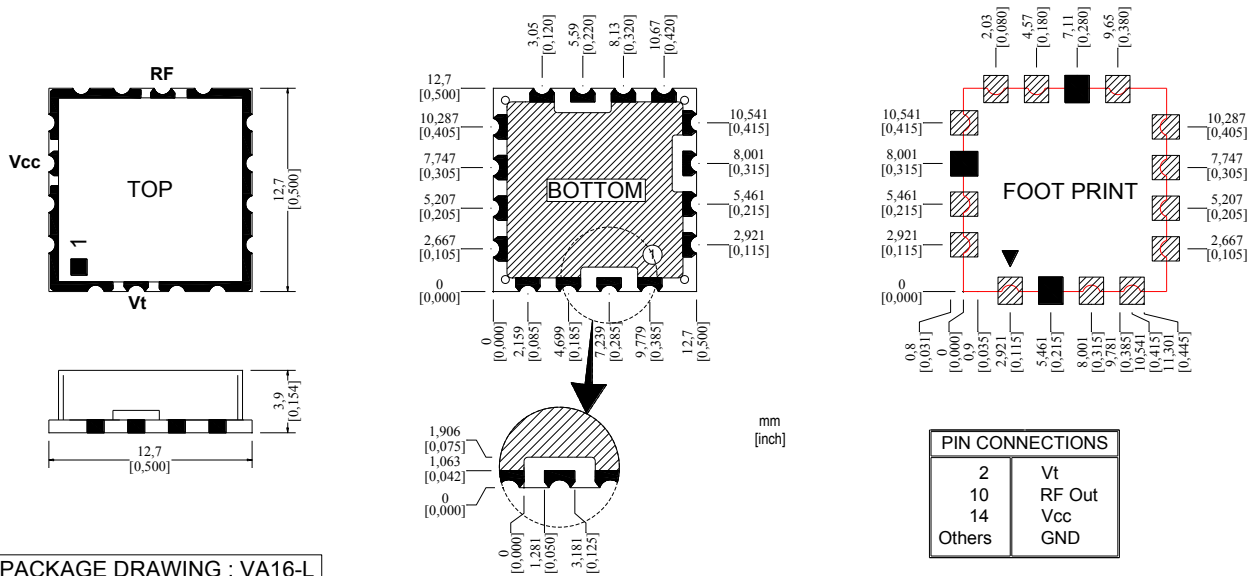


Electrical Characteristics

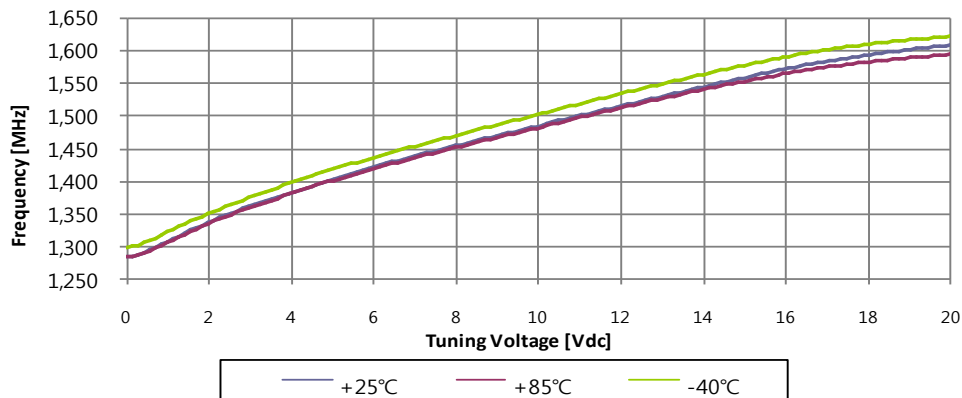


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz		1340.00	
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-99	-94
	@100kHz offset		-120	-115
Tuning Voltage (Vt)	Vdc	0.5		2.2
Tuning Voltage Sensitivity (Kv)	MHz/V		6.1 - 29.2	
2nd Harmonic Suppression	dBc		-23	-20
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	17	20
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		2.57	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

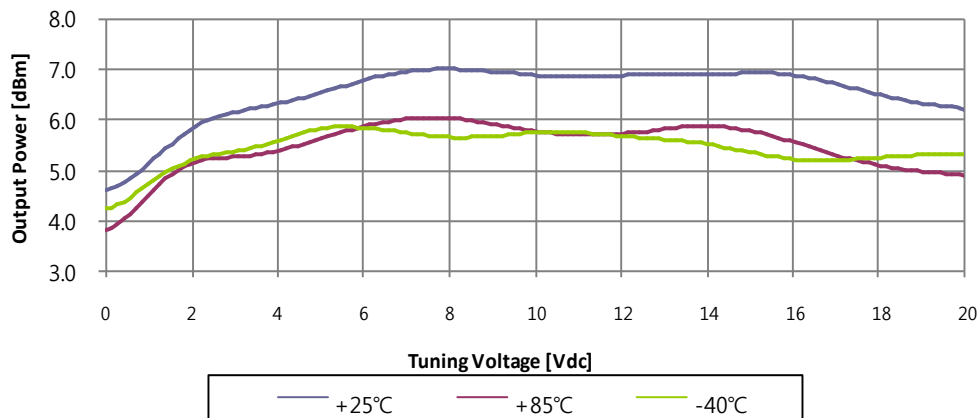
Dimensions



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	1283.8	1282.6	1298.2	-	-	-	4.6	3.8	4.2	-24.3
1.0	1306.6	1305.1	1321.1	22.7	22.5	22.9	5.1	4.5	4.7	-24.4
2.0	1335.8	1334.1	1349.3	29.2	29.0	28.2	5.8	5.1	5.2	-24.4
3.0	1363.5	1361.2	1377.0	27.7	27.1	27.7	6.2	5.3	5.4	-24.0
4.0	1384.2	1381.8	1398.6	20.7	20.7	21.6	6.3	5.4	5.6	-24.0
5.0	1403.3	1400.8	1418.0	19.1	19.0	19.4	6.5	5.6	5.8	-23.8
6.0	1421.2	1418.6	1435.9	17.9	17.8	17.9	6.8	5.9	5.8	-23.8
7.0	1437.9	1435.3	1452.9	16.6	16.6	17.0	7.0	6.0	5.7	-23.4
8.0	1453.6	1450.9	1469.4	15.7	15.6	16.5	7.0	6.0	5.7	-23.4
9.0	1468.7	1466.0	1485.5	15.1	15.1	16.1	7.0	5.9	5.7	-23.6
10.0	1485.8	1482.8	1503.5	17.0	16.8	18.0	6.9	5.8	5.7	-23.6
11.0	1500.5	1497.5	1518.8	14.8	14.7	15.4	6.9	5.7	5.7	-24.1
12.0	1515.2	1512.1	1534.1	14.7	14.6	15.2	6.9	5.7	5.7	-24.1
13.0	1529.7	1526.4	1548.9	14.5	14.3	14.8	6.9	5.8	5.6	-23.4
14.0	1544.1	1540.0	1563.3	14.4	13.6	14.4	6.9	5.9	5.5	-23.4
15.0	1558.0	1552.5	1576.9	13.9	12.5	13.6	6.9	5.8	5.4	-23.8
16.0	1570.9	1563.7	1589.2	12.9	11.2	12.4	6.9	5.6	5.2	-23.8
17.0	1584.0	1574.7	1601.3	13.1	11.0	12.0	6.7	5.3	5.2	-23.6
18.0	1593.7	1582.5	1609.7	9.7	7.8	8.4	6.5	5.1	5.3	-23.6
19.0	1601.3	1588.7	1616.2	7.7	6.1	6.5	6.3	5.0	5.3	-23.6
20.0	1609.9	1595.4	1622.9	8.5	6.7	6.7	6.2	4.9	5.3	-23.6