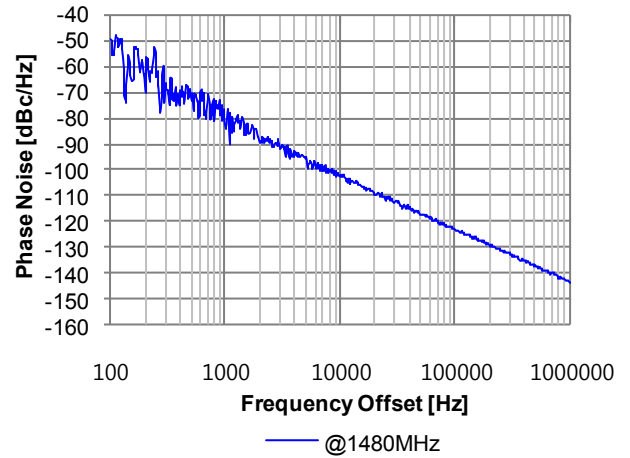


Features

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

Applications

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

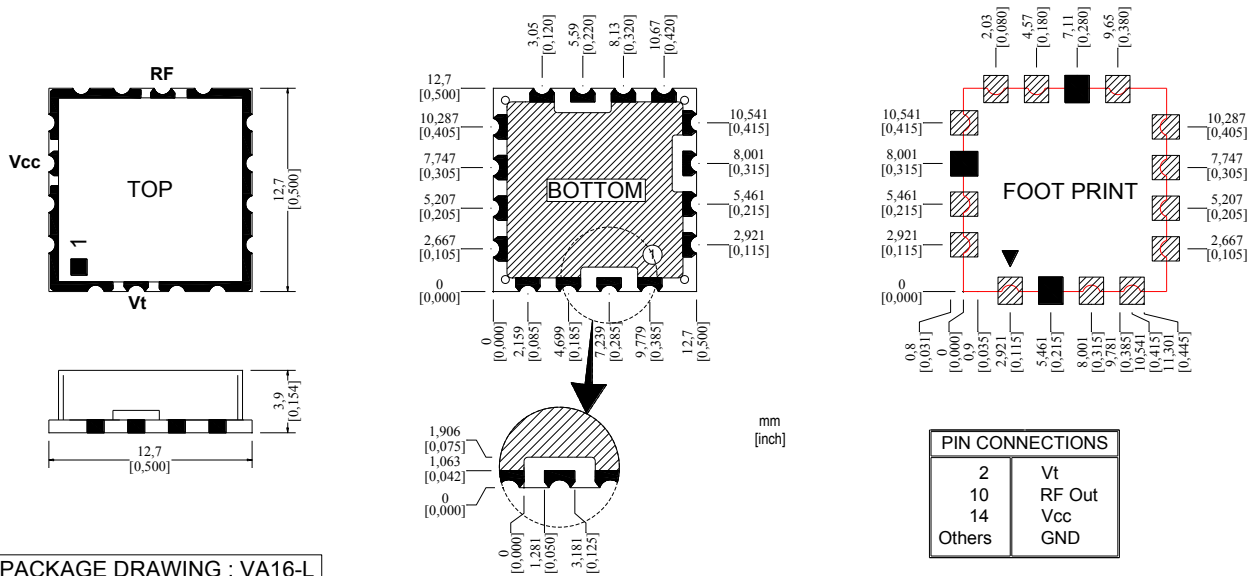


Electrical Characteristics

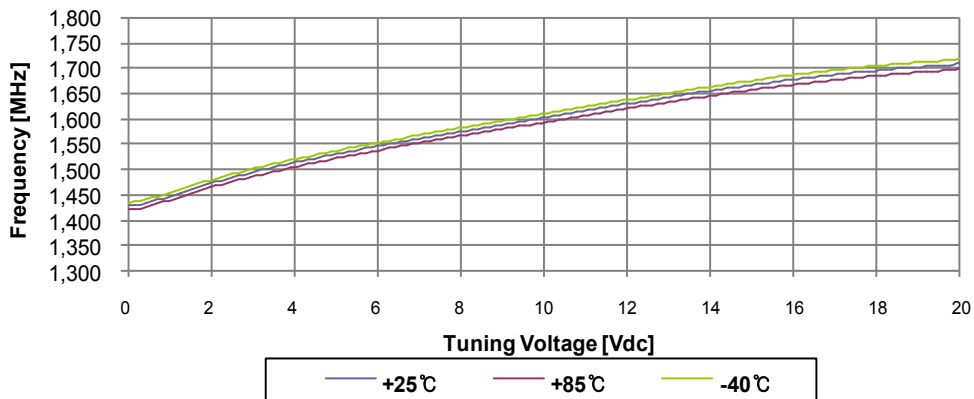


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz		1480.00	
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset	dBc/Hz	-101	-96
	@100kHz offset	dBc/Hz	-122	-117
Tuning Voltage (Vt)	Vdc	0.5		2.2
Tuning Voltage Sensitivity (Kv)	MHz/V		6.6 - 24.8	
2nd Harmonic Suppression	dBc		-26	-20
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	17	20
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		0.75	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

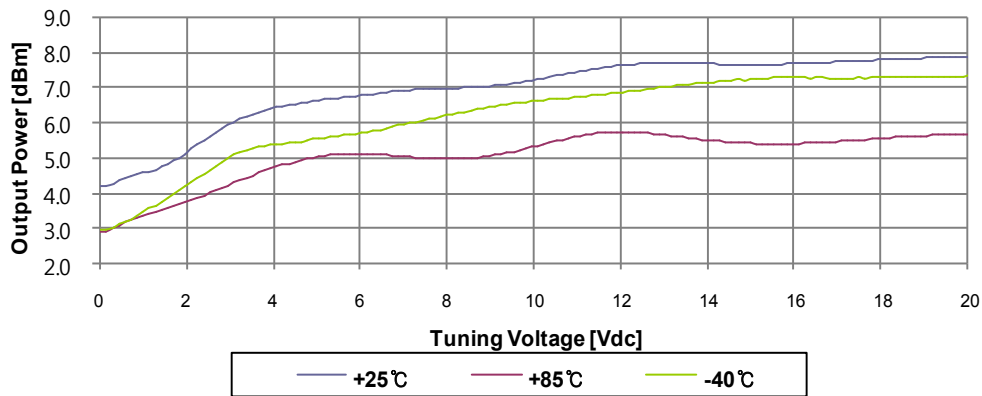
Dimensions



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	1428.5	1421.1	1435.9	-	-	-	4.2	2.9	3.0	-29.1
1.0	1447.7	1440.0	1455.1	19.1	18.9	19.2	4.6	3.4	3.5	-29.1
2.0	1472.5	1464.8	1479.5	24.8	24.8	24.4	5.1	3.8	4.2	-27.4
3.0	1496.9	1488.8	1503.6	24.4	24.1	24.1	6.0	4.3	5.1	-26.0
4.0	1515.2	1506.9	1521.9	18.3	18.1	18.2	6.5	4.8	5.4	-25.9
5.0	1531.7	1523.4	1538.4	16.5	16.4	16.5	6.7	5.1	5.6	-26.1
6.0	1547.1	1538.8	1553.9	15.4	15.4	15.5	6.8	5.1	5.7	-25.6
7.0	1561.7	1553.2	1568.6	14.6	14.4	14.7	6.9	5.1	6.0	-25.8
8.0	1575.8	1567.0	1582.7	14.1	13.8	14.1	7.0	5.0	6.2	-26.1
9.0	1589.4	1580.4	1596.7	13.6	13.4	14.0	7.1	5.1	6.5	-26.4
10.0	1604.7	1595.6	1612.4	15.4	15.2	15.7	7.2	5.4	6.7	-26.5
11.0	1618.1	1608.8	1625.9	13.4	13.2	13.6	7.5	5.7	6.8	-26.8
12.0	1631.4	1622.0	1639.2	13.2	13.1	13.2	7.7	5.8	6.9	-27.0
13.0	1644.3	1634.7	1652.2	12.9	12.7	13.1	7.7	5.7	7.0	-26.5
14.0	1656.5	1646.7	1664.7	12.2	12.0	12.5	7.7	5.5	7.1	-26.8
15.0	1668.0	1658.0	1676.6	11.5	11.3	11.9	7.7	5.4	7.3	-27.2
16.0	1678.5	1668.4	1687.5	10.5	10.4	10.9	7.7	5.4	7.3	-27.8
17.0	1689.2	1678.8	1698.4	10.7	10.5	10.9	7.8	5.5	7.3	-28.3
18.0	1697.2	1686.7	1706.5	8.0	7.9	8.1	7.8	5.6	7.3	-28.5
19.0	1704.0	1693.3	1713.2	6.8	6.6	6.7	7.9	5.7	7.3	-28.9
20.0	1712.1	1701.4	1721.2	8.1	8.1	8.0	7.9	5.7	7.4	-29.2