

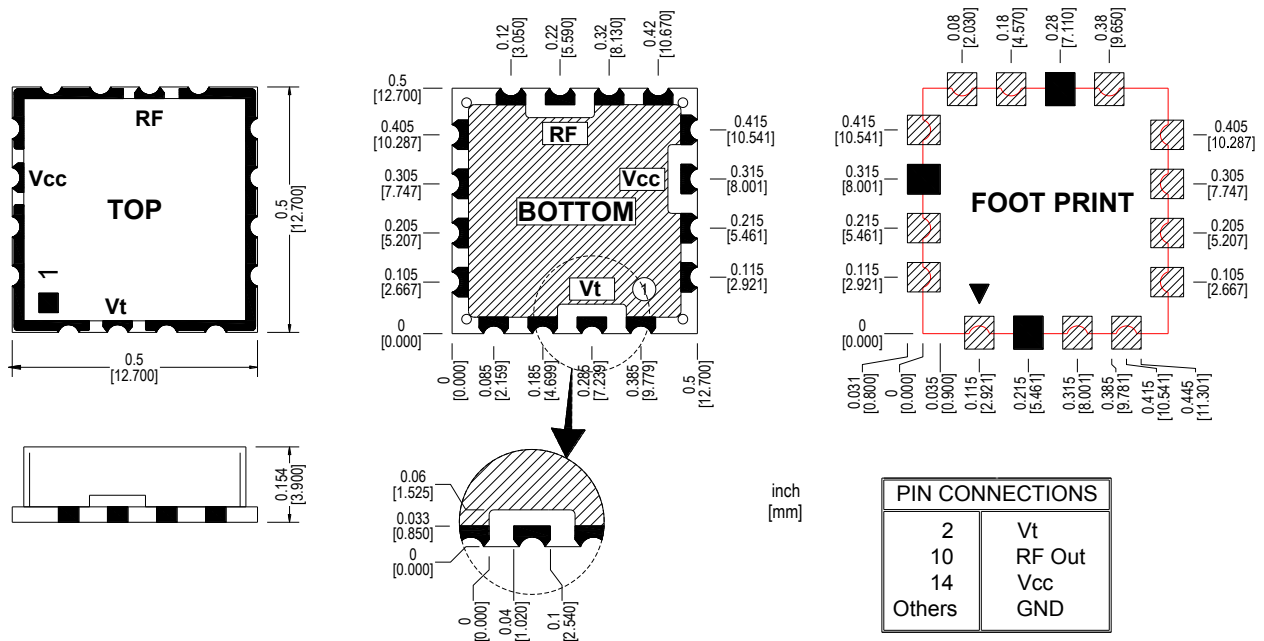
Features

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

Typical Applications

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

Mechanical Drawing and PIN Connections



Electrical Characteristics

Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1000		2000
Output Power	dBm	+5.0	+7.0	+9.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset @100kHz offset	dBc/Hz		-102	-97
	dBc/Hz		-128	-123
Tuning Voltage (Vt)	Vdc	0.5		18.5
Tuning Voltage Sensitivity (Kv)	MHz/V		55 - 75	
2nd Harmonic Suppression	dBc		-10	
Power Supply (Vcc) Voltage Current	Vdc		12	
	mA		37	50
Pushing Figure	MHz/V		0.4	
Pulling Figure	MHz		4.3	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

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	915.5	918.7	995.8	-	-	-	8.7	7.1	7.9	-9
1.0	982.1	980.5	1030.6	66.6	61.9	34.8	8.4	6.9	7.8	-10
2.0	1040.5	1037.3	1075.7	58.4	56.8	45.1	8.5	7.0	8.0	-11
3.0	1095.0	1090.6	1120.9	54.5	53.2	45.2	8.9	7.1	8.0	-11
4.0	1154.7	1154.8	1163.6	59.6	64.3	42.7	8.5	6.6	7.6	-13
5.0	1218.6	1216.0	1219.5	63.9	61.2	55.9	7.5	5.8	6.7	-23
6.0	1278.0	1274.9	1272.7	59.4	58.9	53.2	6.9	5.5	6.5	-29
7.0	1337.5	1334.5	1326.0	59.6	59.6	53.3	6.9	5.6	6.5	-43
8.0	1398.3	1395.6	1380.8	60.7	61.2	54.8	7.1	5.5	6.5	-19
9.0	1460.6	1458.3	1437.3	62.3	62.7	56.5	7.2	5.5	6.5	-12
10.0	1526.3	1524.3	1495.4	65.7	66.0	58.0	7.2	5.4	6.5	-7
11.0	1597.8	1596.0	1556.6	71.5	71.7	61.2	7.0	5.4	6.6	-5
12.0	1669.7	1668.8	1624.3	71.9	72.8	67.7	7.0	5.5	6.5	-5
13.0	1739.0	1739.8	1691.8	69.3	71.0	67.5	6.9	5.4	6.5	-6
14.0	1804.2	1806.9	1756.5	65.2	67.1	64.7	6.9	5.4	6.3	-6
15.0	1864.1	1869.1	1817.5	59.9	62.1	61.0	6.8	5.3	6.3	-6
16.0	1918.6	1925.1	1874.1	54.5	56.1	56.6	7.0	5.5	6.2	-6
17.0	1968.3	1975.7	1926.4	49.7	50.6	52.3	6.9	5.6	6.2	-6
18.0	2013.5	2021.8	1974.5	45.2	46.0	48.1	6.9	5.7	6.3	-5
19.0	2054.5	2063.2	2019.0	41.0	41.4	44.5	7.0	5.8	6.3	-5

Performance Data

