

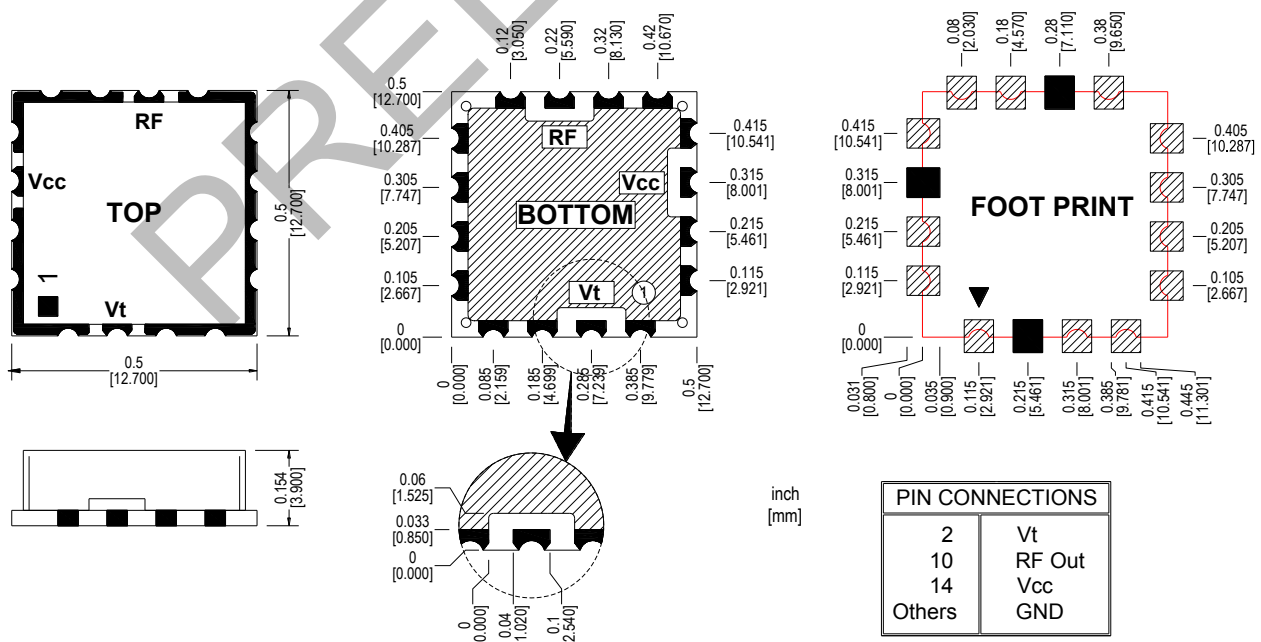
Features

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

Typical Applications

Base station
Cable TV
Satellite Communications
UHF radio link

Mechanical Drawing and PIN Connections

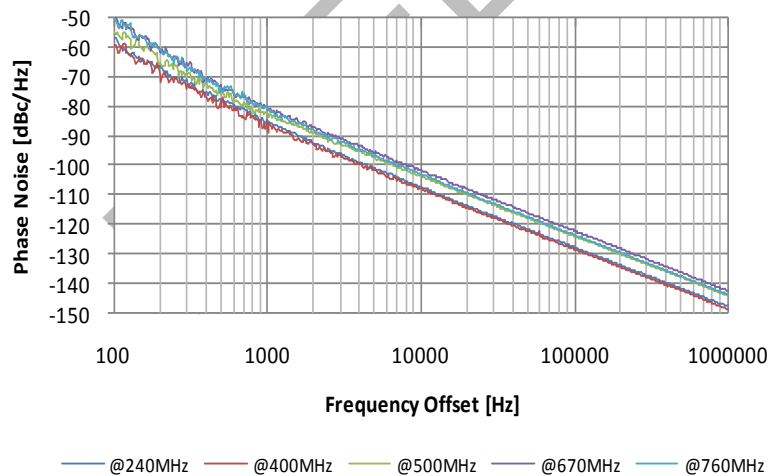


Specifications

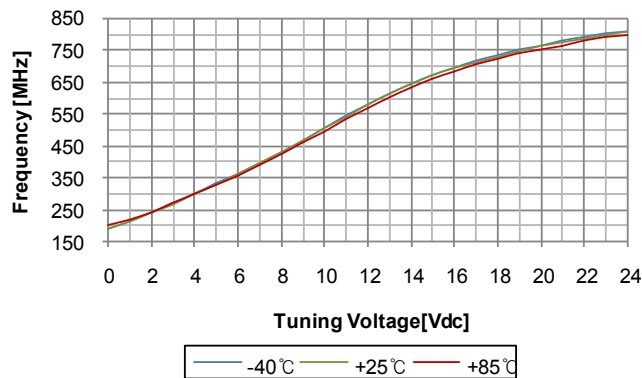
Electrical Characteristics

Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	240		760
Output Power	dBm	+6.0	+8.0	+10.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-106	
	@100kHz offset		-126	
Tuning Voltage (Vt)	Vdc	0.5		24.0
Tuning Voltage Sensitivity (Kv)	MHz/V		14-24	
2nd Harmonic Suppression	dBc		-13	
Power Supply (Vcc)	Voltage		5	
	Current		23	30
Pushing Figure	MHz/V		3	
Pulling Figure	MHz		10	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

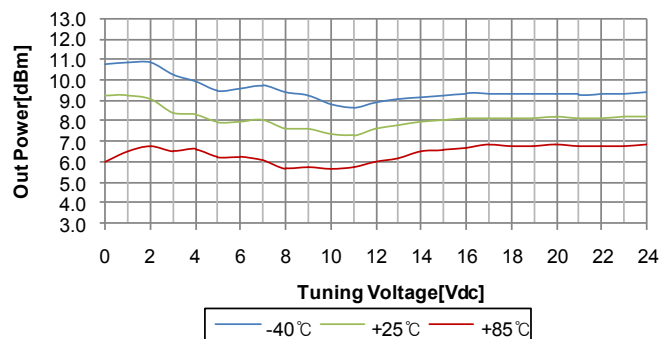
Performance Curves



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	187.6	198.3	189.1	-	-	-	9.3	6.0	10.8	-27.2
1.0	211.9	219.2	213.3	24.3	20.9	24.3	9.3	6.6	10.8	-23.5
2.0	239.8	243.8	240.5	27.9	24.6	27.2	9.1	6.8	10.9	-22.3
3.0	266.8	268.1	267.3	26.9	24.3	26.8	8.4	6.5	10.3	-22.6
4.0	297.3	296.2	298.0	30.5	28.1	30.8	8.4	6.6	10.0	-22.5
5.0	328.7	325.1	330.9	31.4	28.9	32.9	8.0	6.3	9.5	-19.6
6.0	362.0	357.2	364.5	33.3	32.1	33.5	8.0	6.3	9.6	-17.8
7.0	396.1	390.7	399.1	34.1	33.4	34.6	8.1	6.1	9.8	-15.6
8.0	429.1	424.2	432.4	33.0	33.5	33.3	7.7	5.7	9.4	-13.7
9.0	465.0	460.5	466.9	35.8	36.4	34.4	7.6	5.8	9.3	-12.5
10.0	503.0	496.7	504.1	38.0	36.2	37.2	7.4	5.7	8.9	-12.6
11.0	540.1	532.0	543.1	37.1	35.3	39.0	7.3	5.8	8.7	-12.7
12.0	578.4	568.9	581.4	38.3	36.9	38.3	7.6	6.1	8.9	-12.9
13.0	612.9	602.4	615.9	34.5	33.5	34.5	7.8	6.2	9.1	-13.1
14.0	642.6	633.2	645.4	29.6	30.7	29.5	7.9	6.5	9.2	-13.8
15.0	669.7	660.3	672.4	27.1	27.1	27.0	8.1	6.6	9.3	-14.8
16.0	693.0	684.0	695.9	23.3	23.7	23.6	8.1	6.7	9.4	-13.4
17.0	712.7	704.6	715.8	19.7	20.7	19.8	8.2	6.9	9.4	-15.1
18.0	731.1	722.5	734.5	18.4	17.9	18.7	8.2	6.8	9.4	-15.5
19.0	747.6	739.3	750.7	16.4	16.8	16.3	8.2	6.8	9.3	-15.9
20.0	761.8	754.0	765.0	14.2	14.7	14.3	8.2	6.9	9.3	-16.2
21.0	775.2	766.8	778.8	13.4	12.9	13.8	8.1	6.8	9.3	-16.1
22.0	787.7	779.3	791.1	12.5	12.5	12.4	8.1	6.8	9.3	-16.3
23.0	799.0	790.8	802.4	11.3	11.5	11.3	8.2	6.8	9.3	-16.3
24.0	809.0	801.2	812.2	10.0	10.3	9.9	8.3	6.9	9.4	-16.9