

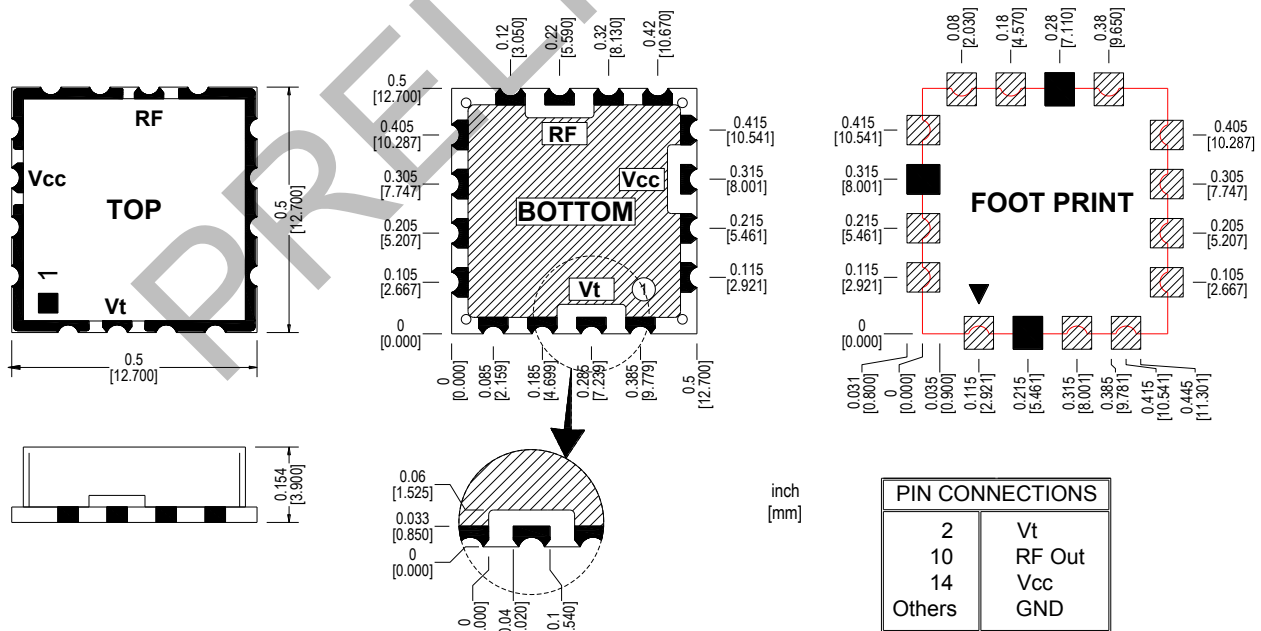
Features

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

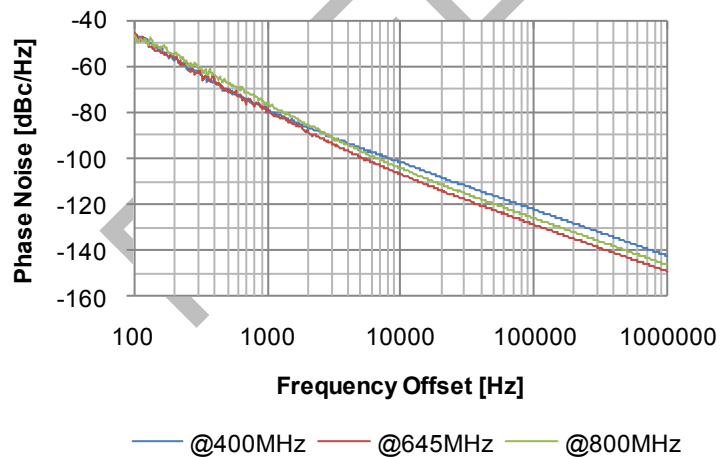


Specifications

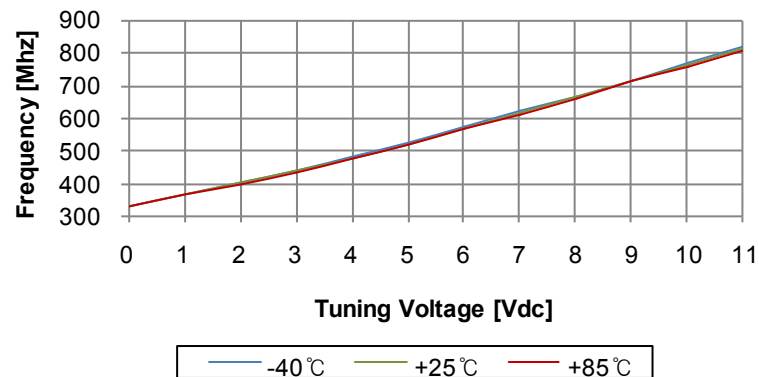
Electrical Characteristics

Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	400		800
Output Power	dBm	+8.0	+11.0	+14.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-105	-100
	@100kHz offset		-126	-121
Tuning Voltage (Vt)	Vdc	0.5		11.0
Tuning Voltage Sensitivity (Kv)	MHz/V		32 - 52	
2nd Harmonic Suppression	dBc		-8	
Power Supply (Vcc)	Voltage		8	
	Current		21	25
Pushing Figure	MHz/V		0.7	
Pulling Figure	MHz		7.6	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

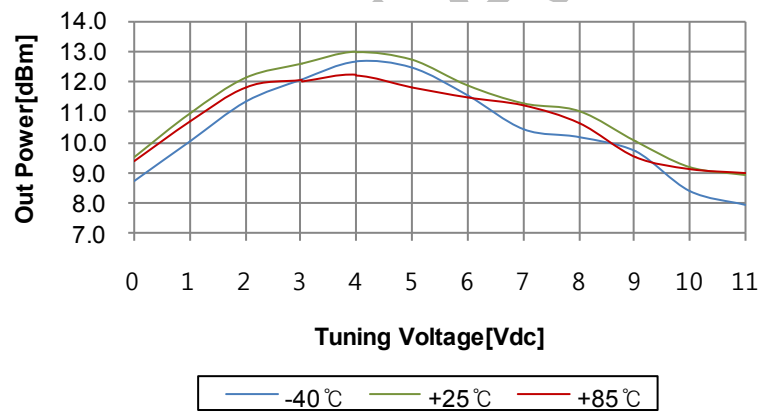
Performance Curves



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	330.4	328.3	331.7	-	-	-	9.5	9.4	8.7	-10
1.0	366.1	363.8	368.5	35.6	35.5	36.8	11.0	10.7	10.0	-7
2.0	399.4	396.8	402.0	33.3	33.0	33.5	12.1	11.8	11.3	-7
3.0	436.5	433.7	439.9	37.2	36.9	37.9	12.6	12.0	12.1	-6
4.0	476.7	473.9	480.6	40.1	40.1	40.7	13.0	12.2	12.7	-6
5.0	521.5	518.8	525.1	44.8	44.9	44.5	12.7	11.8	12.5	-6
6.0	569.2	565.9	571.1	47.7	47.1	46.0	11.8	11.5	11.5	-6
7.0	618.0	613.8	621.7	48.8	47.9	50.6	11.3	11.2	10.4	-7
8.0	664.6	661.6	668.9	46.5	47.8	47.2	11.0	10.6	10.2	-8
9.0	714.6	712.7	716.9	50.0	51.1	48.1	10.0	9.5	9.7	-10
10.0	764.7	760.6	769.1	50.0	47.9	52.2	9.2	9.1	8.4	-14
11.0	811.8	807.1	818.0	47.1	46.5	48.9	8.9	9.0	7.9	-17