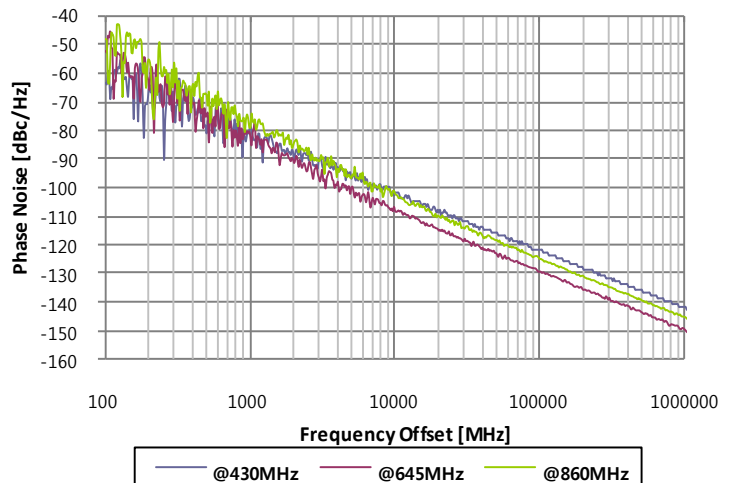


Features

- Housing Type (1.25"x1.25"x0.59")
- SMA Female connections
- Wide bandwidth
- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling

Applications

- Base Station
- Cable TV
- Satellite Communications
- UHF Radio Link

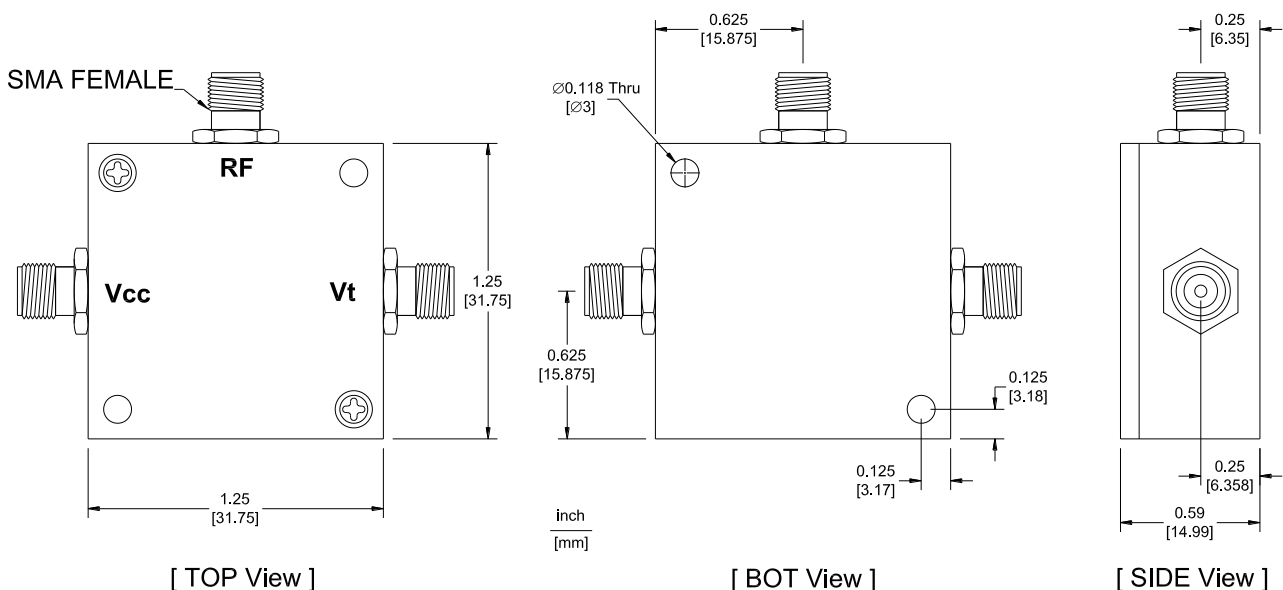


Electrical Characteristics

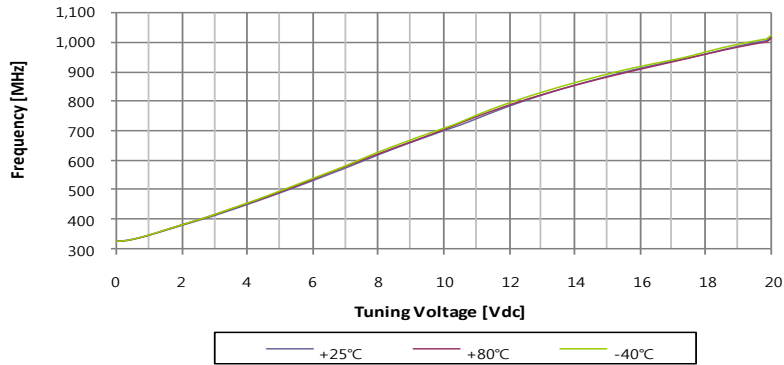


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	430		860
Output Power	dBm	+4.0	+7.0	+10.0
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-103	-95
	@100kHz offset		-121	-116
Tuning Voltage (Vt)	Vdc	0		18
Tuning Voltage Sensitivity (Kv)	MHz/V		19 - 42	
2nd Harmonic Suppression	dBc		-7	
Power Supply (Vcc)	Voltage		8	
	Current		25	35
Pushing Figure	MHz/V		1	
Pulling Figure	MHz		5	
Input Capacitance	pF		1000	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

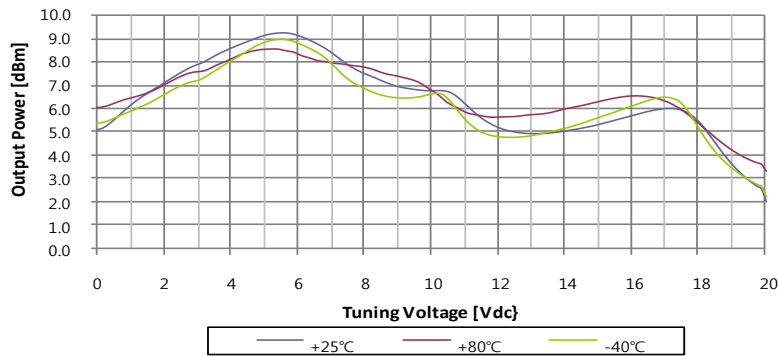
Dimensions



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	329.0	326.6	329.7	-	-	-	5.1	6.1	5.4	-13.1
1.0	348.9	346.3	350.5	19.9	19.7	20.7	6.1	6.5	5.9	-10.0
2.0	380.6	380.5	383.6	31.7	34.2	33.1	7.1	7.0	6.5	-8.1
3.0	418.1	419.1	423.0	37.5	38.6	39.4	7.0	7.0	7.0	-6.8
4.0	454.5	456.1	460.9	36.4	36.9	38.0	8.0	8.0	8.0	-6.3
5.0	492.8	494.3	500.8	38.3	38.2	39.9	9.2	8.6	8.8	-5.9
6.0	533.2	536.0	542.1	40.4	41.7	41.3	9.1	8.4	8.8	-6.4
7.0	574.7	578.2	583.7	41.5	42.2	41.7	8.4	8.0	7.9	-6.9
8.0	617.9	620.0	628.9	43.2	41.7	45.1	7.5	7.8	6.9	-7.3
9.0	658.8	659.8	669.8	41.0	39.9	41.0	7.0	7.4	6.5	-8.1
10.0	702.7	706.3	713.3	43.9	46.5	43.5	6.0	6.0	6.0	-9.3
11.0	742.4	748.7	756.9	39.7	42.4	43.6	6.0	5.0	5.0	-12.3
12.0	783.7	787.1	797.4	41.3	38.3	40.5	5.2	5.6	4.8	-13.5
13.0	820.0	821.1	832.4	36.3	34.0	34.9	4.9	5.8	4.8	-14.4
14.0	852.4	851.7	863.9	32.4	30.6	31.5	5.1	6.0	5.2	-14.6
15.0	881.7	879.5	892.4	29.3	27.8	28.5	5.3	6.3	5.6	-14.2
16.0	908.2	905.2	917.6	26.5	25.7	25.2	5.7	6.6	6.1	-13.6
17.0	935.0	933.4	942.6	26.8	28.2	25.0	6.0	6.0	6.0	-13.1
18.0	958.8	958.3	969.2	23.9	25.0	26.6	5.0	5.0	5.0	-13.4
19.0	984.5	982.0	994.6	25.7	23.7	25.4	3.6	4.2	3.4	-14.3
20.0	1016.1	1011.7	1024.8	31.6	29.7	30.2	2.0	3.3	2.2	-15.1