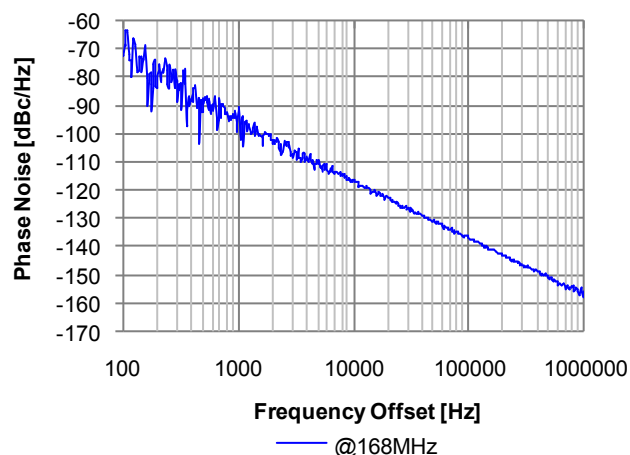


■ Features

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

Applications

- Broadcast
- VHF radio
- Wireless Telemetry
- Test Instrument-Signal Generation

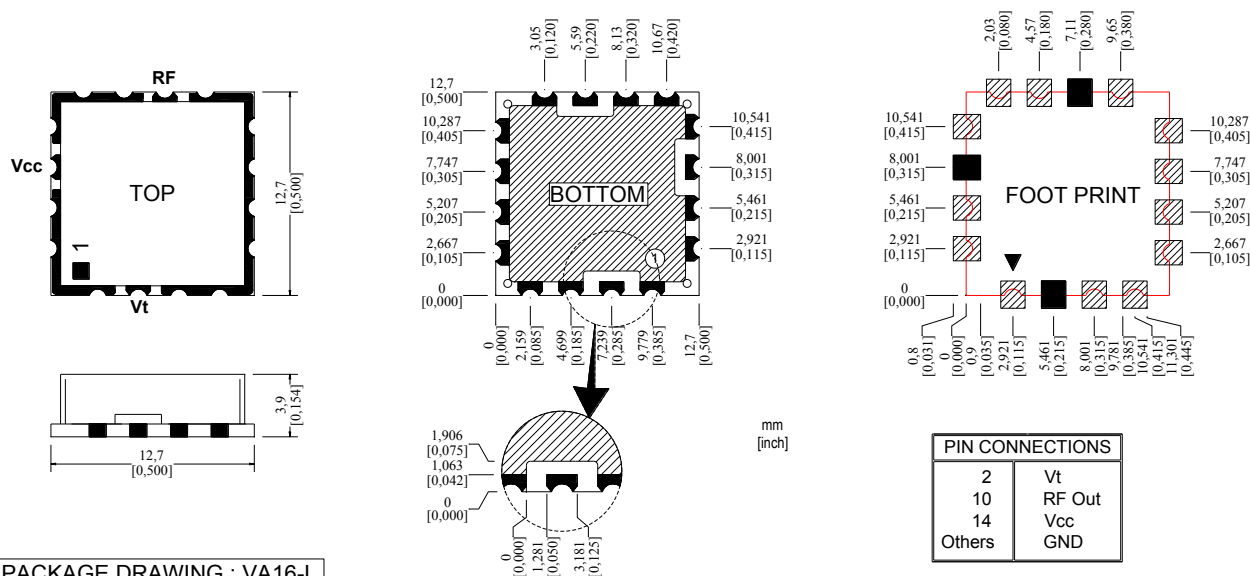


Electrical Characteristics

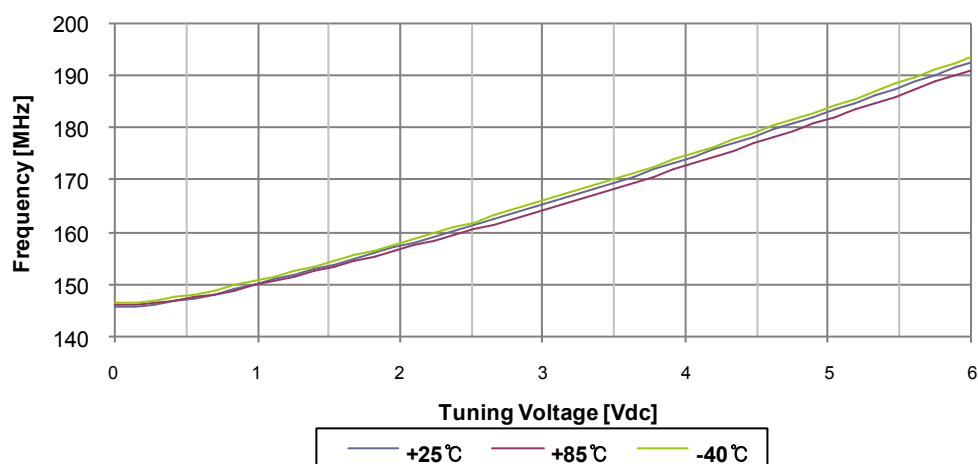


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	163		173
Output Power	dBm	+2.0	+4.0	+6.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-115	-108
@100kHz offset	dBc/Hz		-136	-131
Tuning Voltage (Vt)	Vdc	1.0		4.0
Tuning Voltage Sensitivity (Kv)	MHz/V		2.8 - 10.8	
2nd Harmonic Suppression	dBc		-24	-20
Power Supply (Vcc) Voltage	Vdc		5	
Current	mA		11	25
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		0.34	
Input Capacitance	pF		1000	
Operating Temp. Range	°C	-40		+85

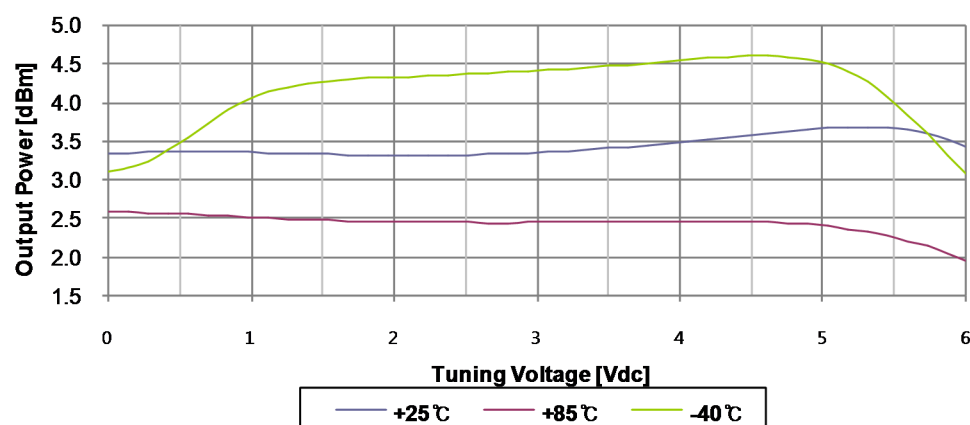
■ Dimensions



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	145.7	146.1	146.5	-	-	-	3.3	2.6	3.1	-18.0
0.5	147.5	147.5	148.2	3.5	2.8	3.3	3.4	2.6	3.6	-21.5
1.0	150.0	149.8	150.7	5.1	4.6	5.1	3.4	2.5	4.0	-24.3
1.5	153.9	153.5	154.6	7.8	7.3	7.7	3.3	2.5	4.3	-26.5
2.0	157.1	156.4	157.7	6.4	5.9	6.3	3.3	2.5	4.3	-28.4
2.5	161.4	160.6	162.0	8.6	8.3	8.7	3.3	2.4	4.4	-29.7
3.0	166.0	165.0	166.7	9.2	8.8	9.2	3.4	2.4	4.4	-30.4
3.5	169.6	168.4	170.2	7.2	6.9	7.2	3.4	2.5	4.5	-30.7
4.0	174.6	173.2	175.2	10.0	9.6	10.0	3.5	2.5	4.6	-30.6
4.5	178.4	177.0	179.1	7.7	7.6	7.8	3.6	2.5	4.6	-30.4
5.0	183.7	182.3	184.4	10.5	10.5	10.6	3.7	2.4	4.5	-29.2
5.5	187.6	186.2	188.5	7.9	7.8	8.2	3.7	2.3	4.1	-27.4
6.0	193.0	191.5	193.9	10.8	10.6	10.6	3.4	1.9	3.0	-25.9