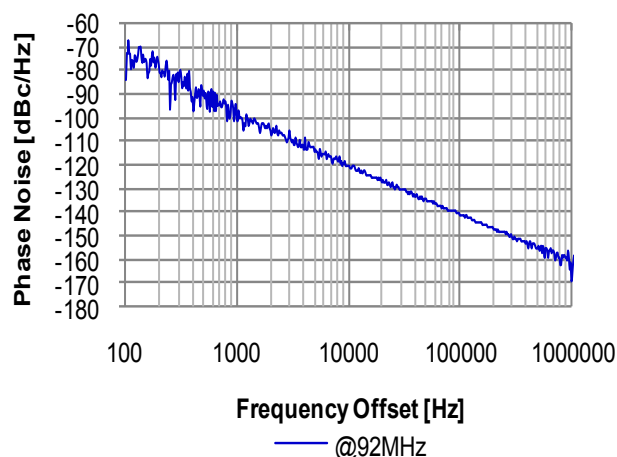


Features

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

Applications

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

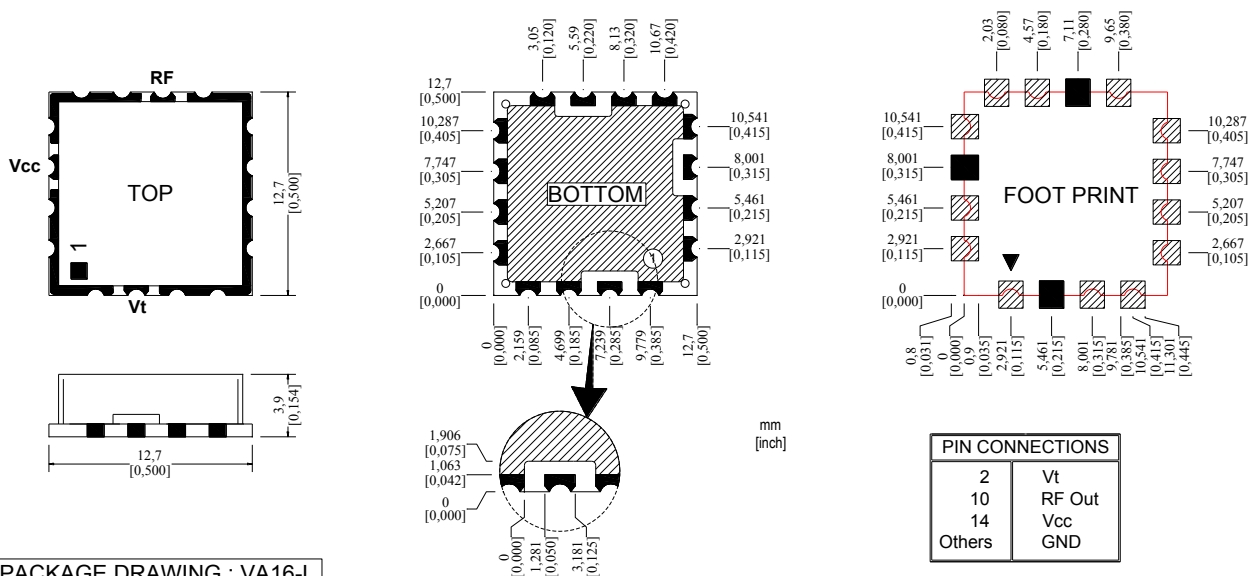


Electrical Characteristics

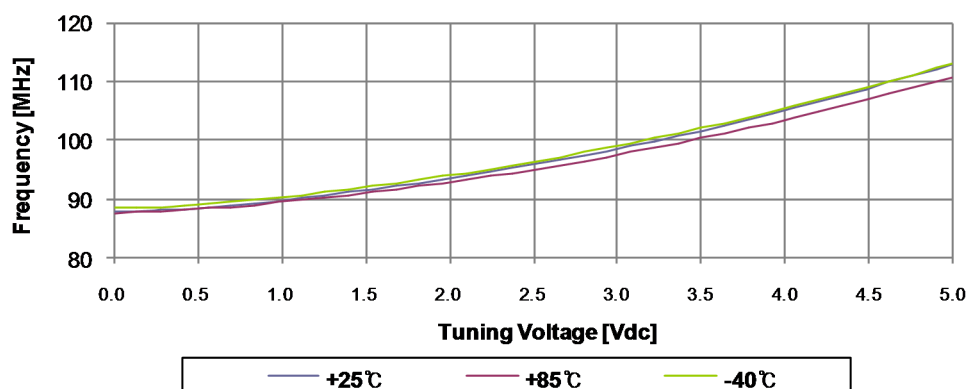


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz		91.50	
Output Power	dBm	+3.0	+5.0	+7.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-120	-115
@100kHz offset	dBc/Hz		-140	-135
Tuning Voltage (Vt)	Vdc	0.5		2.2
Tuning Voltage Sensitivity (Kv)	MHz/V		1.4 - 8.4	
2nd Harmonic Suppression	dBc		-23	-15
Power Supply (Vcc) Voltage	Vdc		5	
Current	mA		7	20
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		0.25	
Input Capacitance	pF		1000	
Operating Temp. Range	°C	-40		+85

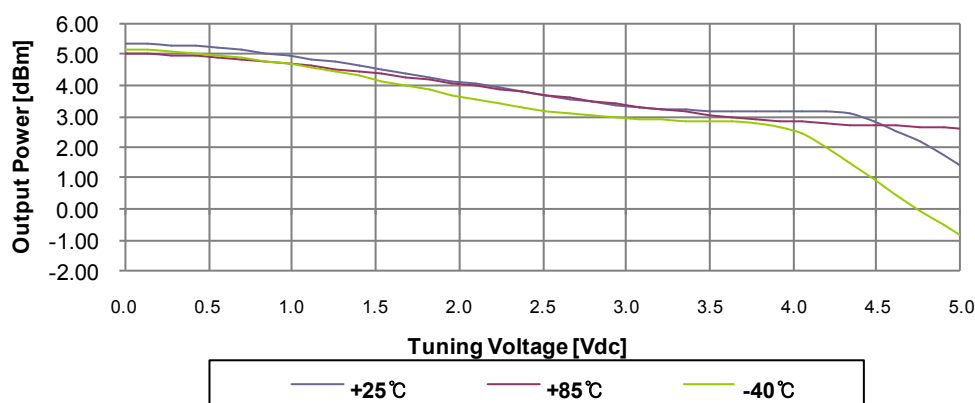
■ Dimensions



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	88.0	87.8	88.6	-	-	-	5.4	5.0	5.2	-30.2
0.5	88.7	88.5	89.3	1.4	1.4	1.4	5.2	4.9	5.0	-30.2
1.0	89.9	89.5	90.5	2.4	2.1	2.4	5.0	4.7	4.7	-30.2
1.5	91.8	91.3	92.4	3.4	3.2	3.3	4.5	4.4	4.2	-30.3
2.0	93.4	92.9	94.0	3.8	3.7	4.0	4.2	4.1	3.7	-30.2
2.5	96.0	95.3	96.6	4.7	4.3	4.6	3.7	3.7	3.2	-30.3
3.0	99.1	98.1	99.6	6.5	5.9	6.3	3.3	3.3	2.9	-30.3
3.5	101.7	100.5	102.1	5.1	4.7	5.1	3.2	3.1	2.8	-30.3
4.0	105.6	104.1	106.1	7.8	7.2	7.9	3.2	2.8	2.4	-30.4
4.5	108.9	106.9	109.2	6.9	6.0	6.4	2.8	2.7	0.9	-30.4
5.0	113.4	111.2	113.5	8.0	7.7	7.8	1.3	2.6	-1.0	-30.4