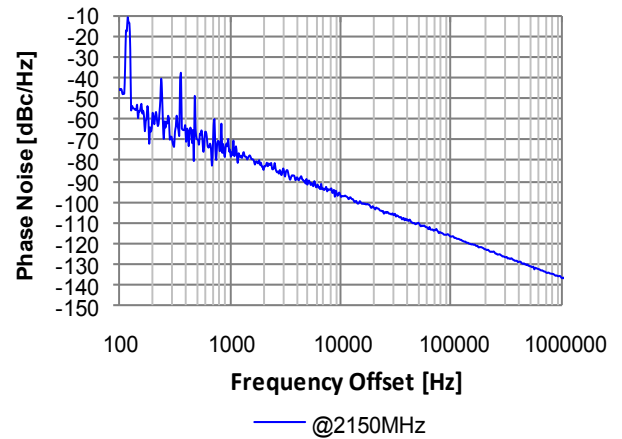


Features

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

Applications

- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

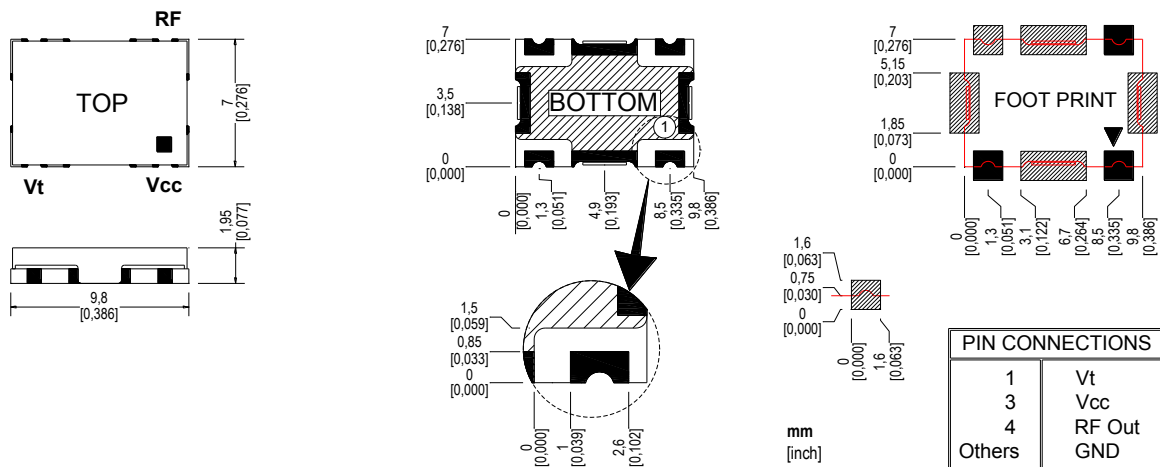


Electrical Characteristics



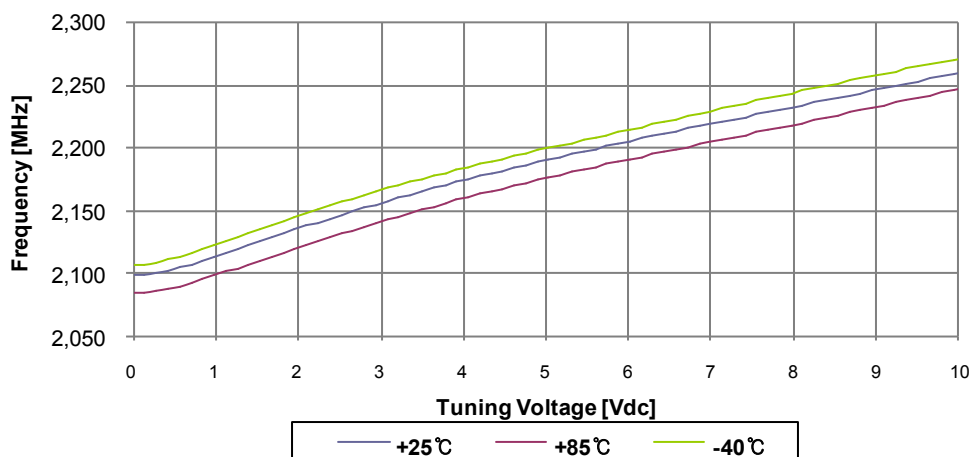
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2135		2165
Output Power	dBm	0.0	+2.0	+4.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-95	-90
Phase Noise @100kHz offset	dBc/Hz		-116	-111
Tuning Voltage (Vt)	Vdc	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		13.1 - 23.3	
2nd Harmonic Suppression	dBc		-21	-15
Power Supply (Vcc) Voltage	Vdc		5	
Power Supply (Vcc) Current	mA		16	30
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		1.4	
Input Capacitance	pF		33	
Operating Temp. Range	°C	-40		+85

Dimensions

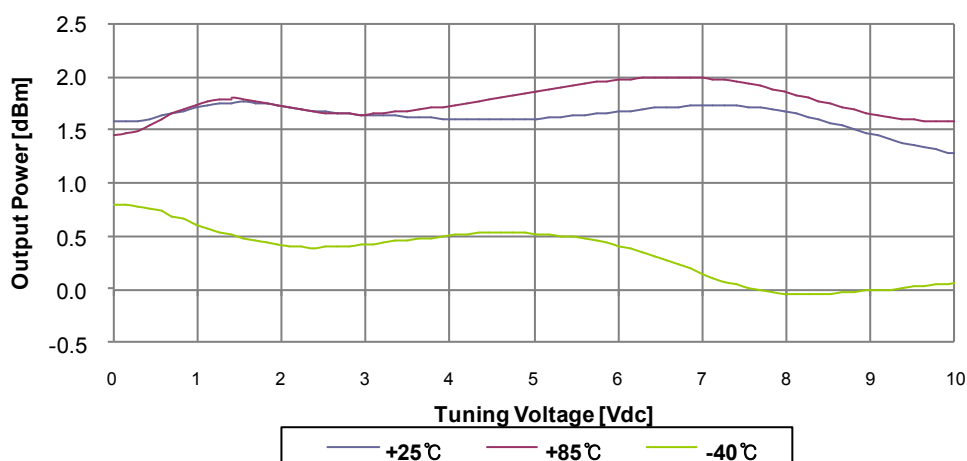


PACKAGE DRAWING : VD4-L

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	2098.4	2083.9	2106.8	-	-	-	1.6	1.5	0.8	-25.1
1.0	2113.1	2098.1	2122.1	14.7	14.2	15.3	1.7	1.7	0.6	-21.9
2.0	2134.6	2119.4	2144.8	21.5	21.3	22.7	1.7	1.7	0.4	-20.6
3.0	2157.5	2142.7	2167.7	22.9	23.3	22.9	1.6	1.7	0.4	-21.2
4.0	2175.0	2160.6	2184.8	17.5	17.9	17.1	1.6	1.7	0.5	-21.1
5.0	2190.7	2176.6	2199.9	15.7	15.9	15.1	1.6	1.9	0.5	-22.4
6.0	2205.4	2191.0	2214.5	14.7	14.5	14.5	1.7	2.0	0.4	-23.3
7.0	2219.2	2204.5	2229.1	13.8	13.5	14.7	1.7	2.0	0.2	-22.8
8.0	2232.3	2218.0	2243.8	13.1	13.5	14.7	1.7	1.9	0.0	-24.1
9.0	2245.6	2232.1	2257.5	13.3	14.0	13.6	1.5	1.7	0.0	-24.8
10.0	2261.1	2248.0	2271.9	15.5	15.9	14.4	1.3	1.6	0.1	-23.7