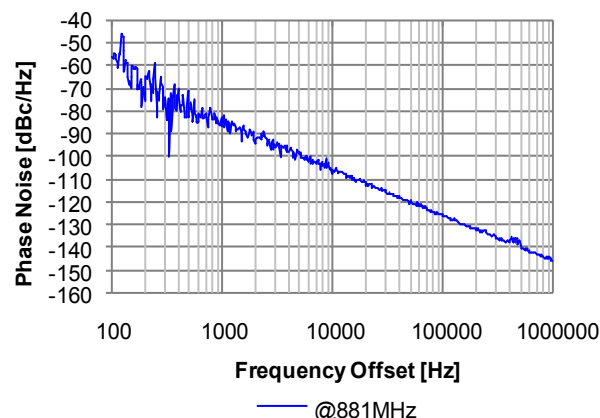


Features

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

Applications

- Base station
- Cable TV
- Satellite Communications
- UHF radio link

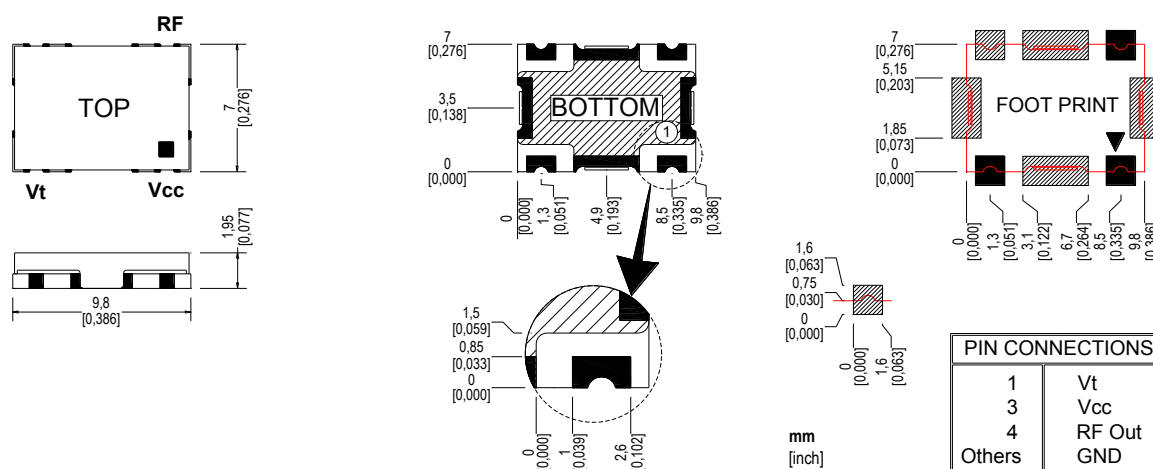


Electrical Characteristics



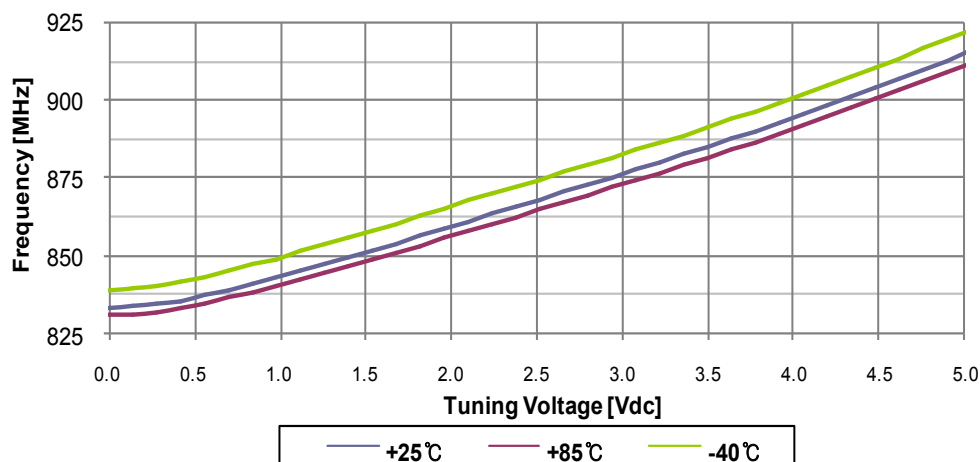
Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	866	881	896
Output Power	dBm	-1.0	+1.0	+3.0
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-105	-100
Phase Noise @100kHz offset	dBc/Hz		-117	-112
Tuning Voltage (Vt)	Vdc	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		7 - 24.3	
2nd Harmonic Suppression	dBc		-24	-20
Power Supply (Vcc) Voltage	Vdc		5	
Power Supply (Vcc) Current	mA		7	20
Pushing Figure	MHz/V		4	
Pulling Figure	MHz		0.76	
Input Capacitance	pF		1000	
Operating Temp. Range	°C	-40		+85

Dimensions

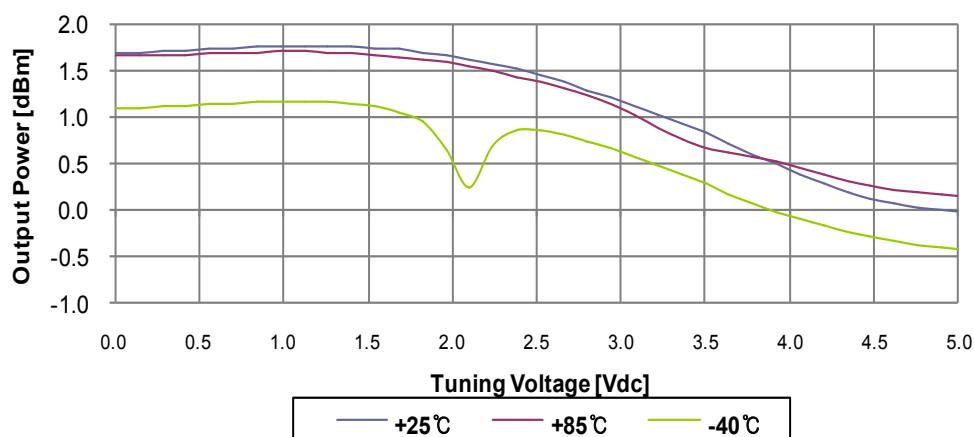


PACKAGE DRAWING : VD4-L

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	833.3	831.2	839.2	-	-	-	1.7	1.7	1.1	-21.3
0.5	837.1	834.7	843.3	7.7	7.0	8.2	1.7	1.7	1.1	-21.8
1.0	842.9	840.3	849.2	11.6	11.1	11.6	1.8	1.7	1.2	-22.5
1.5	851.8	848.8	858.0	17.7	17.2	17.8	1.8	1.7	1.1	-23.3
2.0	858.8	855.7	865.1	14.0	13.7	14.1	1.7	1.6	0.6	-23.8
2.5	868.2	864.9	874.5	18.8	18.4	18.8	1.4	1.4	0.8	-24.0
3.0	877.7	874.3	884.0	19.1	18.8	19.1	1.1	1.0	0.6	-24.5
3.5	885.1	881.7	891.4	14.8	14.8	14.7	0.8	0.7	0.3	-25.4
4.0	895.4	891.9	902.0	20.6	20.4	21.2	0.4	0.4	-0.1	-26.0
4.5	903.9	900.4	910.7	17.0	16.9	17.3	0.1	0.3	-0.3	-26.5
5.0	916.1	912.2	922.8	24.3	23.7	24.2	0.0	0.1	-0.4	-27.1