

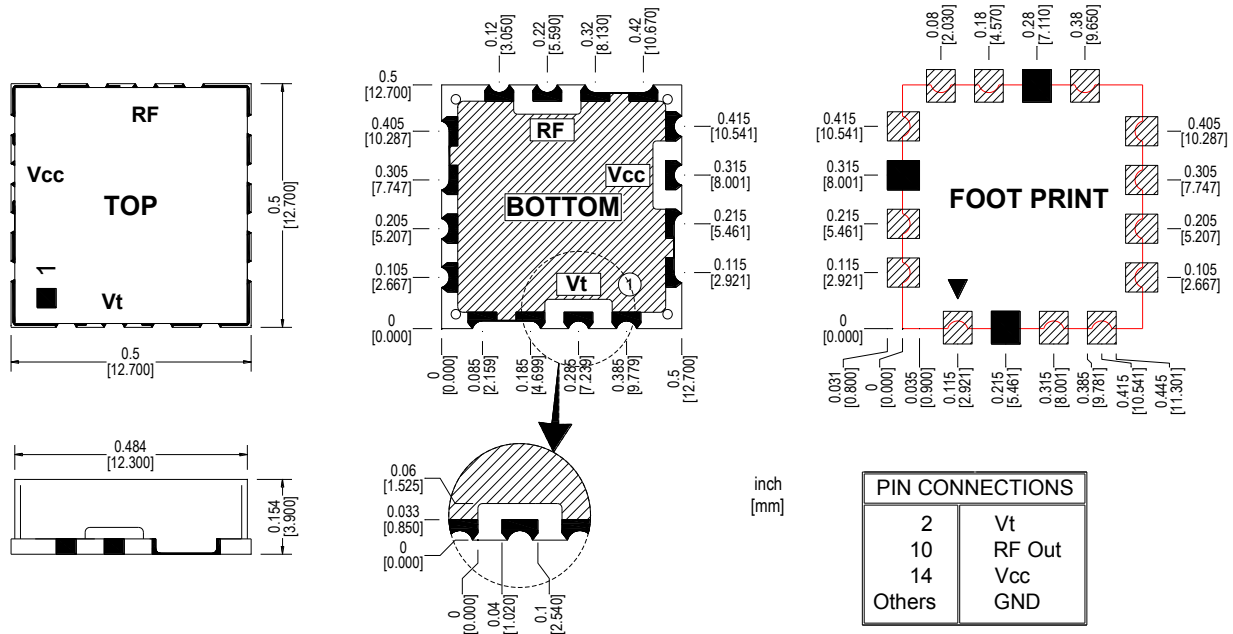
Features

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

Typical Applications

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

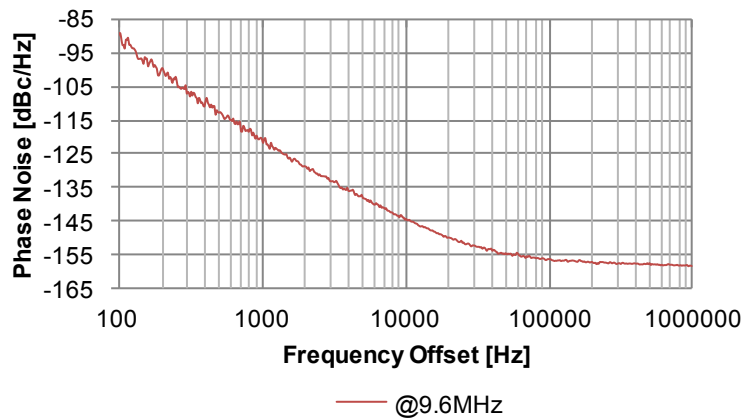
Physical Dimensions and Pin Connections



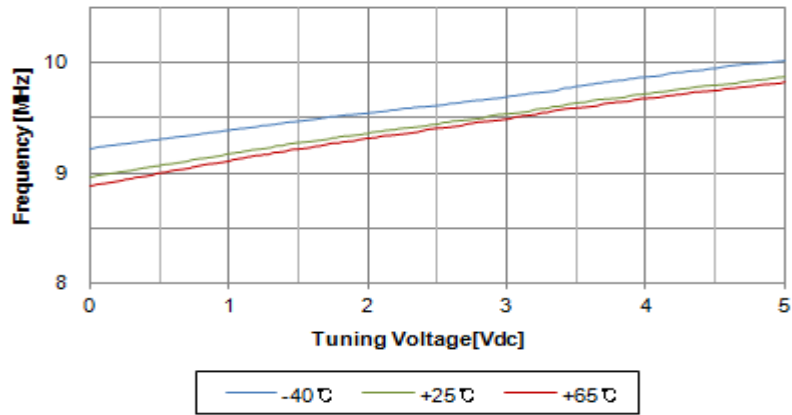
Specification

Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz		9.6	
Output Power	dBm		8.0	
Output Impedance	Ω		50	
Phase Noise	@1kHz offset		-119	
	@10kHz offset		-143	
Tuning Voltage (Vt)	Vdc	0.5		4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		0.18	
2nd Harmonic Suppression	dBc		-16	
Power Supply (Vcc)	Voltage		12.0	
	Current		18	
Pushing Figure	KHz/V		1.2	
Pulling Figure	KHz		7.0	
Input Capacitance	pF		330	
Operating Temp. Range	°C	-40		+65

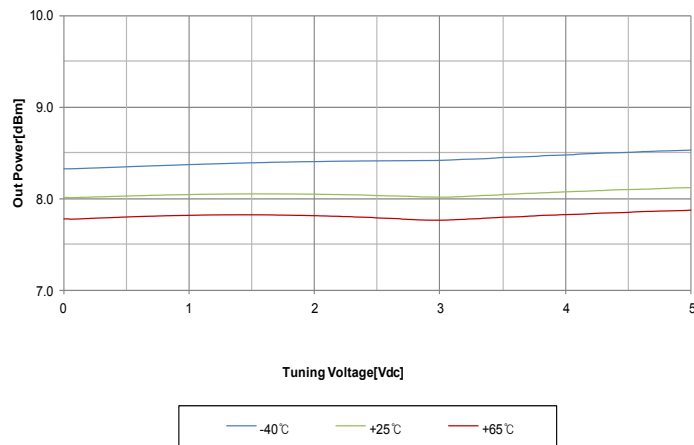
Performance Graph



Tuning Curve



Output Power Curve



Performance Data

Vt [Vdc]	Frequency [MHz]			Kv [MHz/0.5]			Output Power [dBm]			2nd Harmonic [dBc]
	+25°C	+65°C	-40°C	+25°C	+65°C	-40°C	+25°C	+65°C	-40°C	
0.0	9.1247	9.0676	9.3184	-	-	-	8.1	7.8	8.4	-16
0.5	9.1201	9.0421	9.3507	(0.0046)	(0.0255)	0.0323	8.0	7.8	8.3	-16
1.0	9.2263	9.1522	9.4316	0.1062	0.1100	0.0808	8.0	7.8	8.4	-16
1.5	9.3270	9.2617	9.5133	0.1007	0.1095	0.0817	8.1	7.8	8.4	-16
2.0	9.4131	9.3602	9.5874	0.0861	0.0985	0.0742	8.0	7.8	8.3	-16
2.5	9.4941	9.4503	9.6557	0.0811	0.0900	0.0683	8.0	7.8	8.4	-16
3.0	9.5847	9.5336	9.7360	0.0905	0.0834	0.0803	8.0	7.8	8.4	-16
3.5	9.6838	9.6346	9.8297	0.0991	0.1010	0.0937	8.0	7.8	8.4	-16
4.0	9.7642	9.7195	9.9124	0.0804	0.0849	0.0827	8.1	7.8	8.5	-16
4.5	9.8413	9.7908	9.9912	0.0771	0.0713	0.0788	8.1	7.8	8.5	-16
5.0	9.9174	9.8688	10.0592	0.0761	0.0780	0.0679	8.1	7.9	8.5	-16