

VCO Series

951-977MHz VOLTAGE CONTROLLED OSCILLATOR

Features

- Frequency: 951-977MHz
- Tuning Voltage: 1.0-4.0V
- Power Output: +5dBm
- Phase Noise: -112dBc/Hz @ 10KHz offset
- Power Supply: +7V to +15V
- Temperature: -35 °C to +85 °C
- SMA Connector

Picture



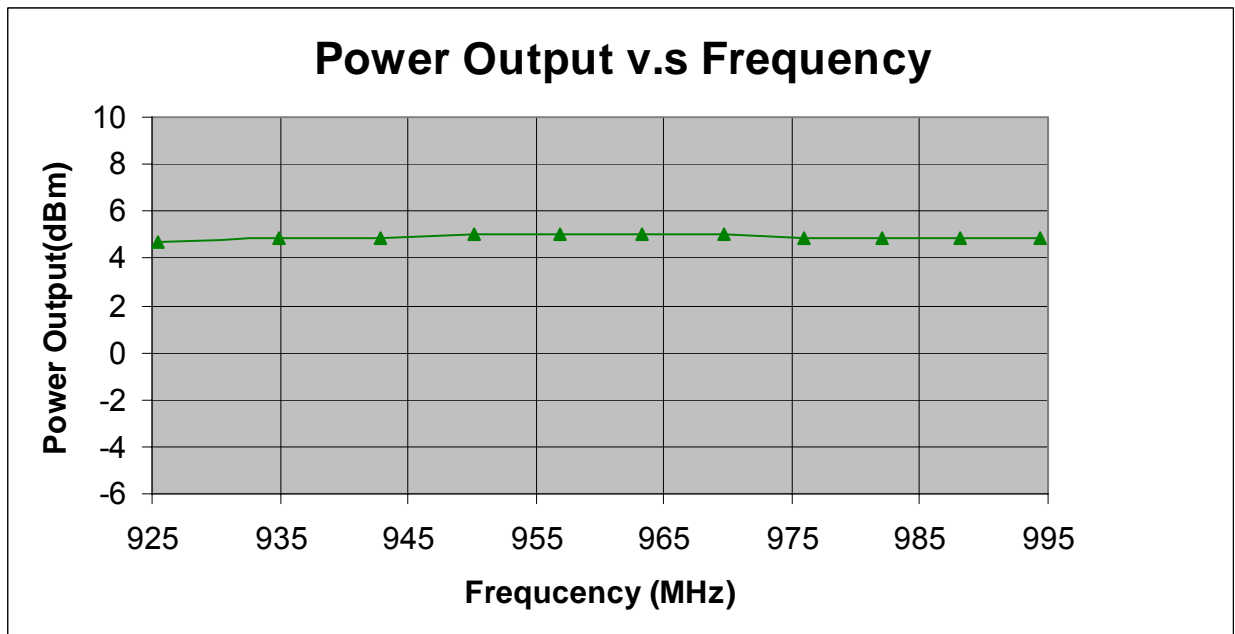
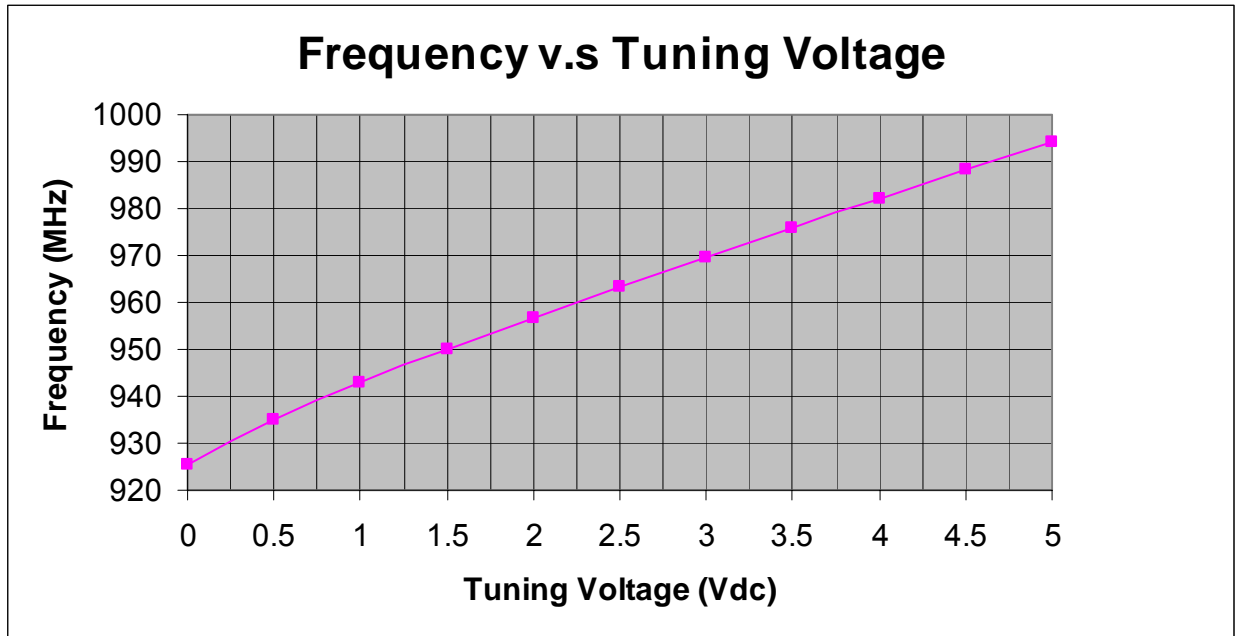
Description

VCO-0964 is a low phase noise narrow band voltage controlled oscillator module with frequency range of 951 to 977MHz.

Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	951		977
Tuning Voltage	Vdc	1.0		4.0
Phase Noise @ 10KHz @ 100KHz	dBc/Hz		-112 -132	-106 -126
Tuning Sensitivity	MHz/V	11	13	15
Power Output	dBm	+2	+5	+8
Harmonic Suppression (2 nd)	dBc		-15	-10
Load Impedance	Ω		50	
Input Capacitance	pF		100	
Frequency Pulling	MHz		0.9	2
Supply Voltage	V	+7	+12	+15
Supply Current	mA		18	
Operating Temp Range	°C	-35		+85

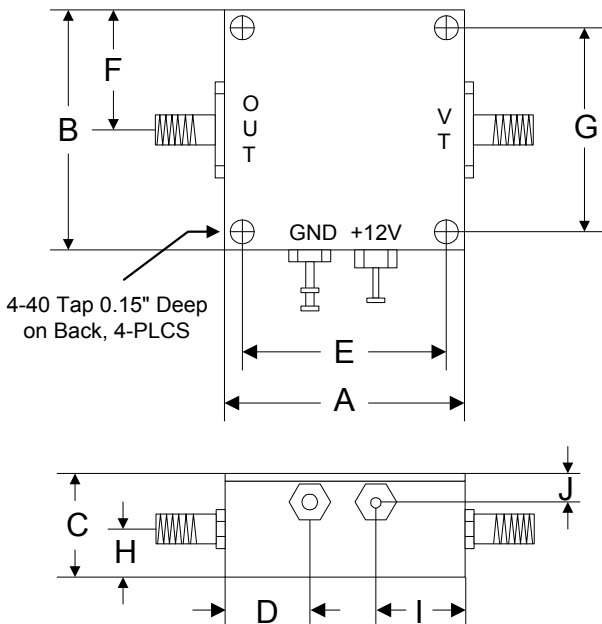
Typical Performance @ +25 °C



Absolute Maximum Ratings

Parameter	Absolute Maximum
Power Supply Voltage	+16V
Operating Temperature	-35 °C to +85 °C
Storage Temperature	-55 °C to +100 °C

Outline



	A	B	C	D	E	F	G	H	I	J
Inch	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
mm	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76