

## VCO Series

## 2560-2875MHz VOLTAGE CONTROLLED OSCILLATOR

### Features

- Frequency: 2560-2875MHz
- Tuning Voltage: 0.5-8.0V
- Power Output: +1dBm
- Phase Noise: -93dBc/Hz @ 10KHz offset
- Power Supply: +12V/18mA
- Internal Voltage Regulated
- Reverse DC Protection
- SMA Connector

### Picture



### Description

VCO-2715 is a voltage controlled oscillator module with output frequency range of 2560 to 2875MHz.

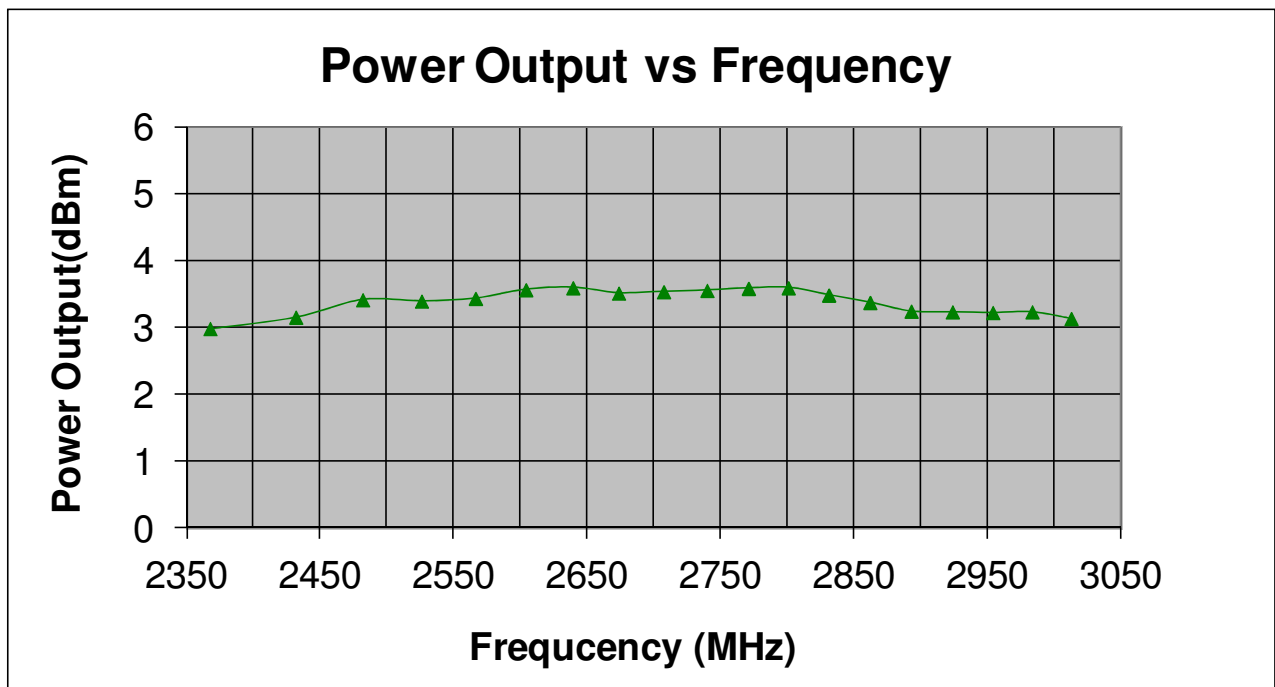
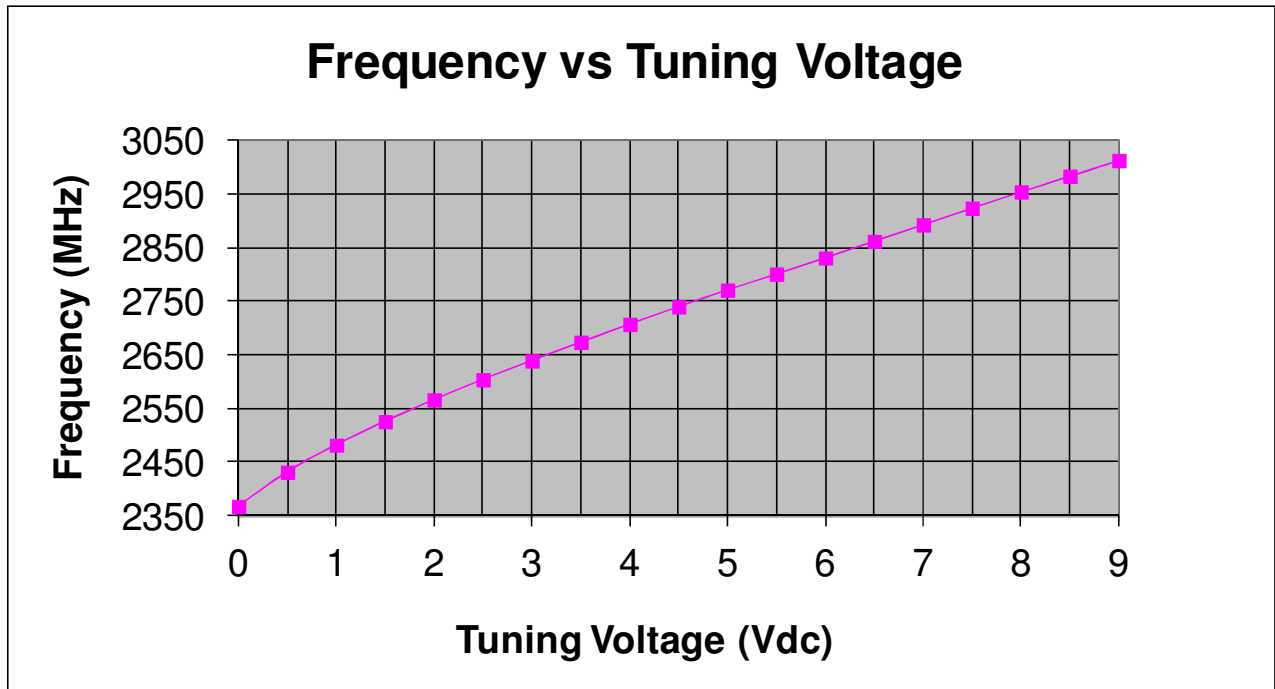
### Electrical Specifications @ +25 °C, $Z_{out} = 50 \Omega$ , DC Voltage = +12V

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	2560		2875
Tuning Voltage	Vdc	0.5		8.0
Phase Noise @ 10KHz offset (1 Hz BW, typ)	dBc/Hz		-93	-88
Tuning Sensitivity	MHz/V		72	
Power Output	dBm	-2	+1	+5
Harmonic Suppression (2 <sup>nd</sup> )	dBc	-10	-18	
Output Impedance	$\Omega$		50	
Input Capacitance	pF			50
Frequency Pulling	MHz		5	15
DC Supply Voltage	V	+9	+12	+15
DC Supply Current	mA		18	25
Operating Temp Range	°C	-40		+85

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Typical Performance @ +25 °C



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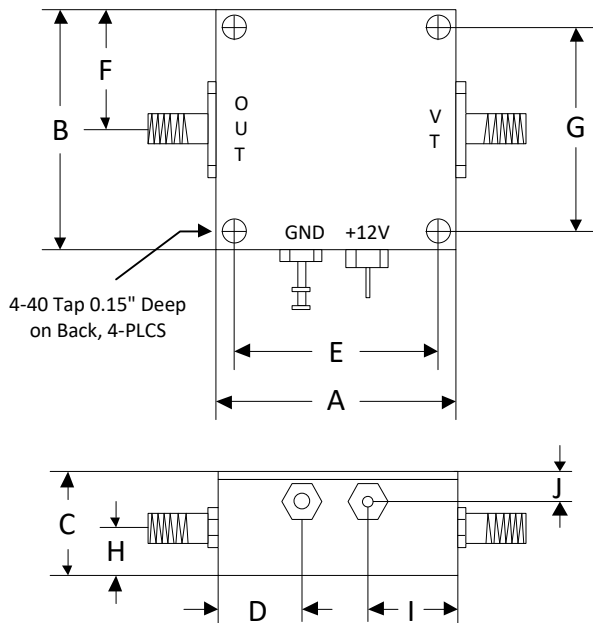
### Absolute Maximum Ratings

Parameter	Absolute Maximum
Supply Voltage	+25V
Control Voltage	+10V
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +100 °C

### ESD Sensitive Material



### Outline



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