

# VOLTAGE CONTROLLED OSCILLATOR

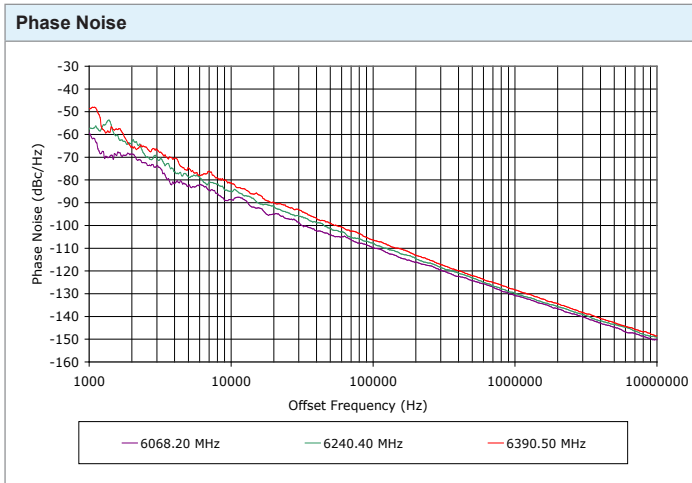
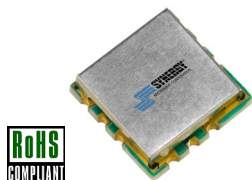
## SURFACE MOUNT MODEL: DCO608634-5

OPTIMIZED BANDWIDTH

6080 - 6340 MHz

### FEATURES:

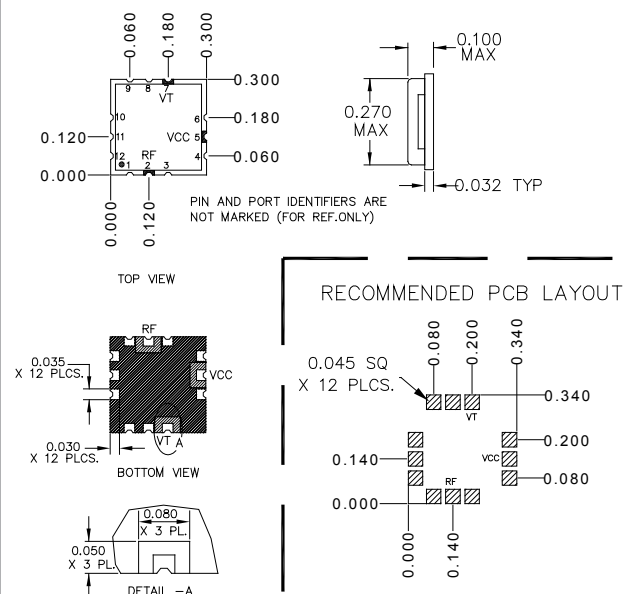
- ▶ Miniature Size, Surface Mount (0.3" x 0.3")
- ▶ Exceptional Phase Noise Performance
- ▶ Fast Tuning
- ▶ Planar Resonator Construction



### SPECIFICATIONS (Rev B 01/09/14)

Frequency	6080 - 6340 MHz	
Tuning Voltage	See table below.	
Bias Voltage	+5 VDC @ 20 mA (Max.)	
Output Power	-3 dBm (Min.)	
Tuning Sensitivity	90 - 95 MHz/V (Typ.)	
Output Impedance	50 Ohms (Nom.)	
Harmonic Suppression	25 dB (Typ.)	
Frequency Pulling	12 MHz (Typ. @ 1.75:1 VSWR)	
Frequency Pushing	12 MHz/V (Typ.)	
Tuning Port Capacitance	10 pF (Typ.)	
Typical Phase Noise	Offset	dBc/Hz
	10 kHz	-85
	100 kHz	-108
Operating Temperature Range	-40 to +85 °C	

Package # 343



TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

DIMENSIONS ARE IN INCHES. ALL UNLABELED PINS TO BE GROUND.

### Guaranteed Tuning Specifications

Tuning Voltage ( V )	Frequency ( MHz )
0.5	6080 (Max.)
5	6340 (Min.)

### Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+7 V
DC Voltage Applied to RF Out	± 25 V

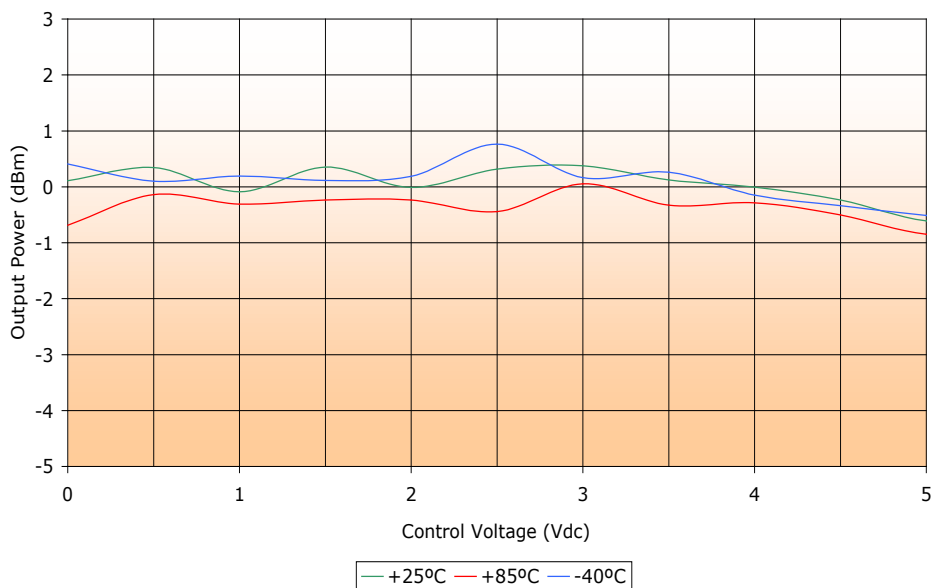
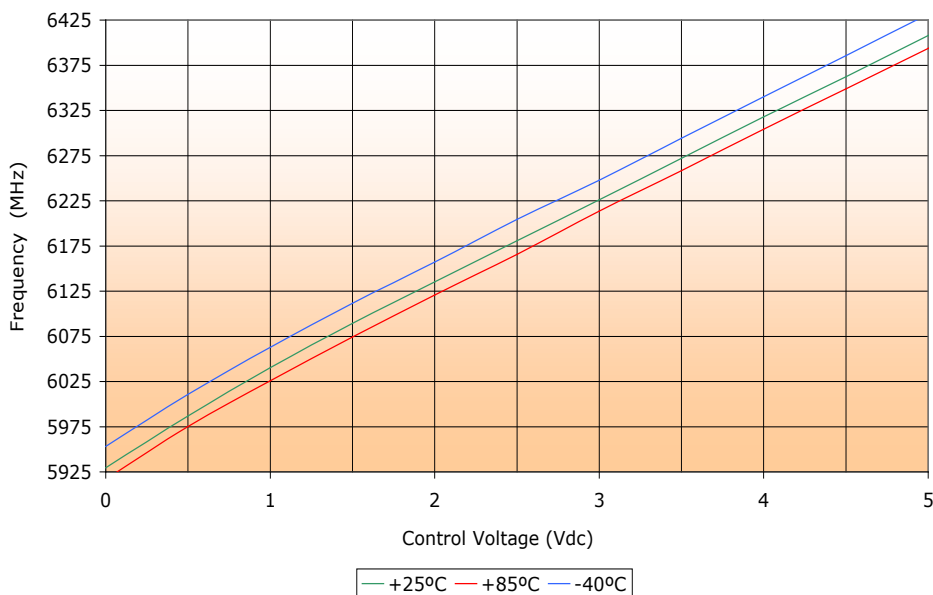
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