

VOLTAGE CONTROLLED OSCILLATOR

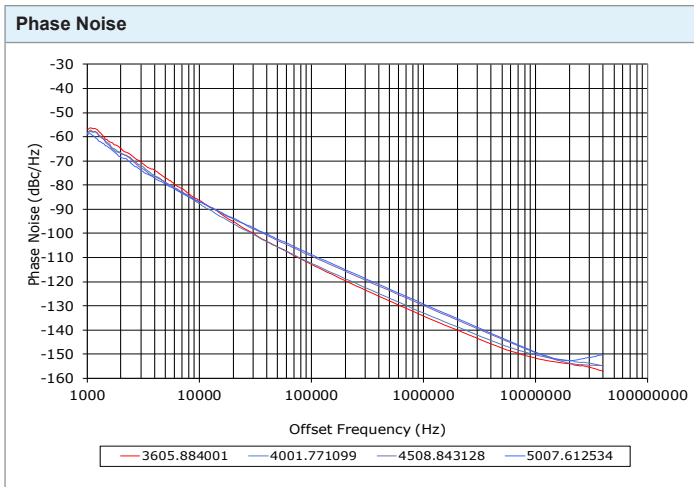
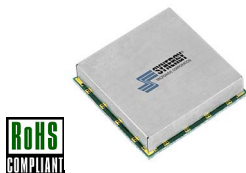
SURFACE MOUNT MODEL: DCRO360500-5

OPTIMIZED BANDWIDTH

3600 - 5000 MHz

FEATURES:

- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology
- ▶ Planar Resonator Construction
- ▶ Buffered Output



SPECIFICATIONS

Frequency	3600 - 5000 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 48 mA (Max.)
Output Power	0 dBm (Min.)
Tuning Sensitivity	70 - 135 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	20 dB (Typ.)
Frequency Pulling	14 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Typ.)
Tuning Port Capacitance	80 pF (Typ.)
Phase Noise @ 10 kHz	-84 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

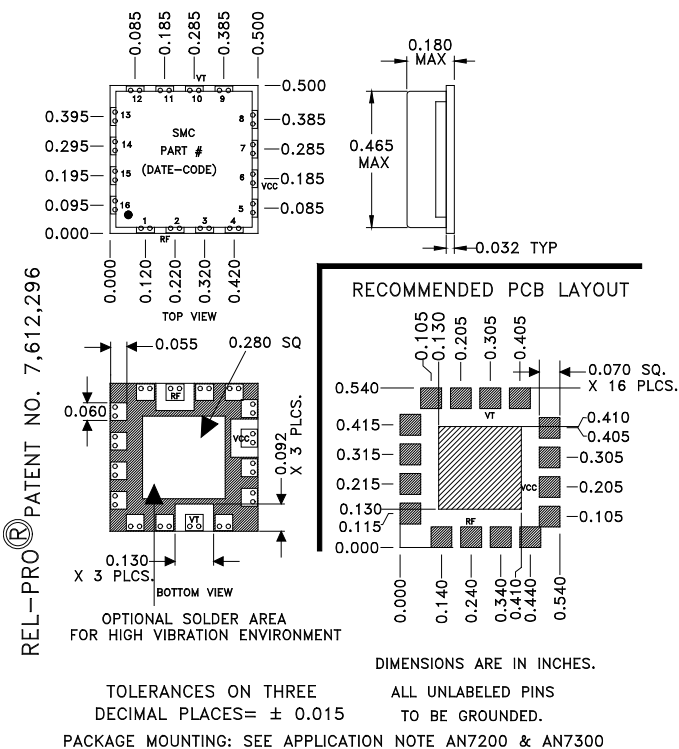
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3600 (Max.)
5	3750 (Min.)
8	4100 (Min.)
12	4350 (Min.)
16	4700 (Min.)
20	5000 (Min.)

Absolute Maximum Ratings

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

Package # 278LF



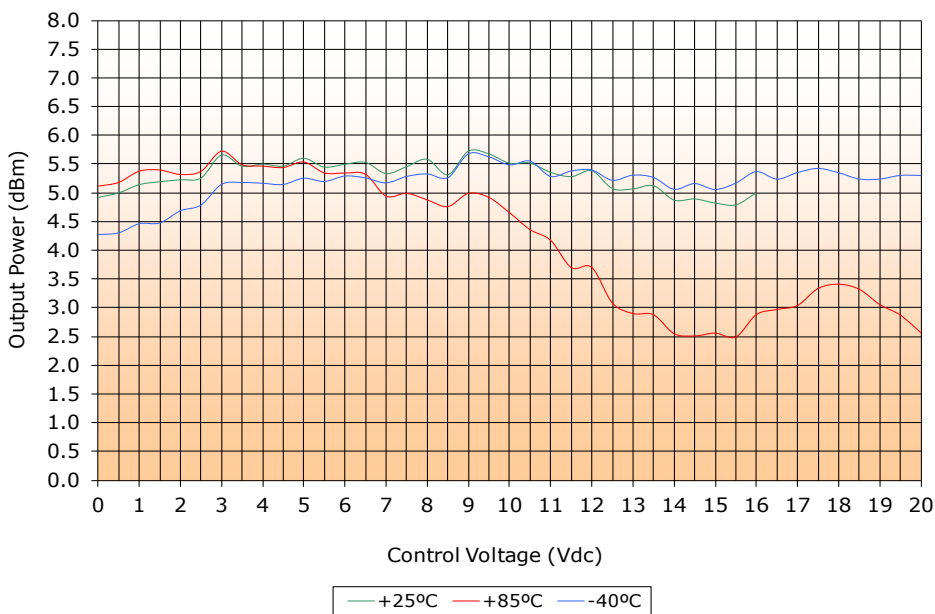
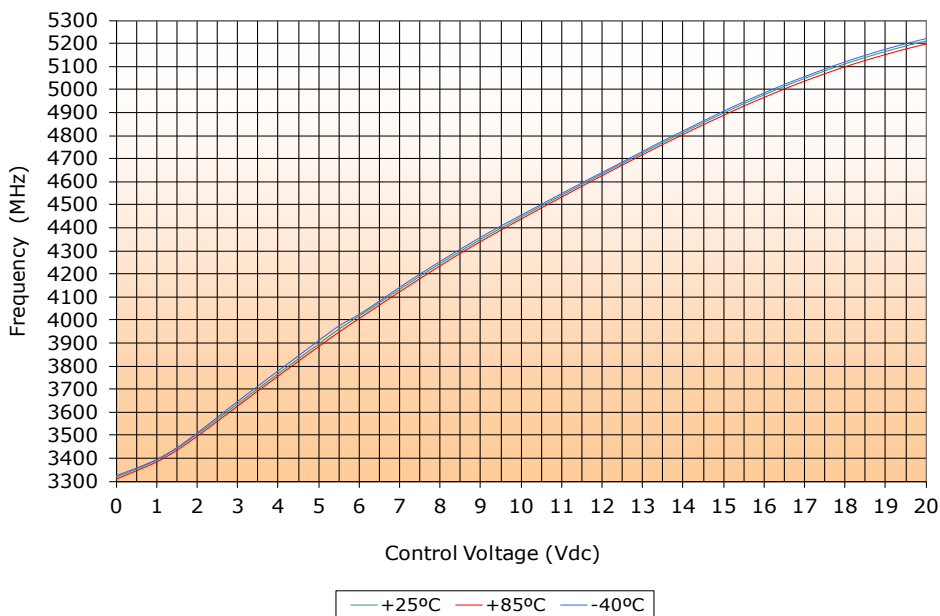
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PERFORMANCE PLOTS



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