

VOLTAGE CONTROLLED OSCILLATOR

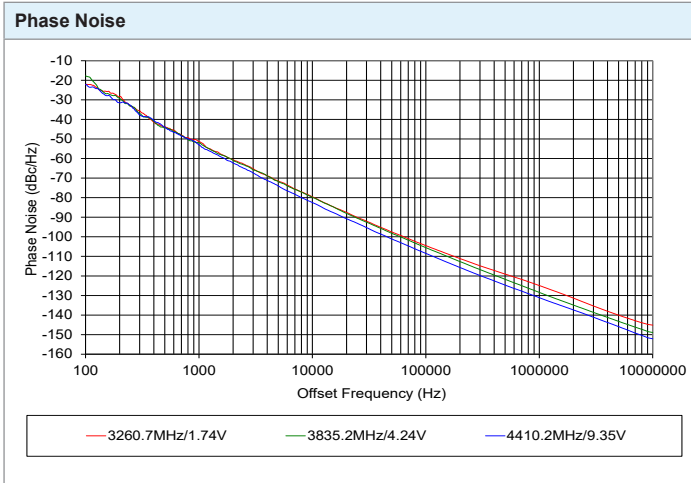
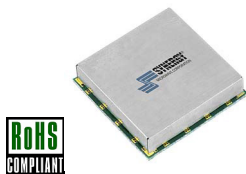
SURFACE MOUNT MODEL: DCRO310430-5

OPTIMIZED BANDWIDTH

3100 - 4300 MHz

FEATURES:

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



SPECIFICATIONS (Rev. G 12/06/18)

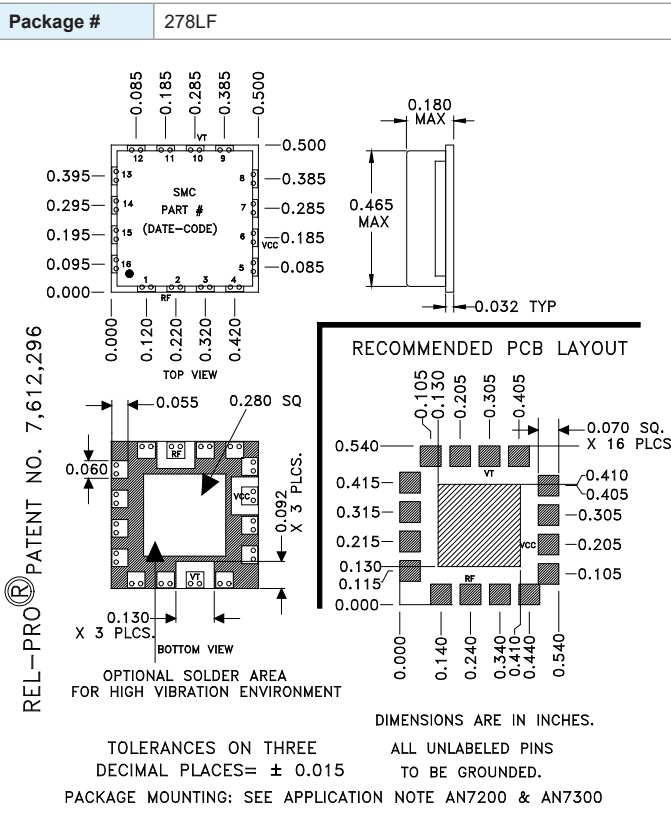
Frequency	3100 - 4300 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 53 mA (Max.)
Output Power	+2 dBm (Min.)
Tuning Sensitivity	95 - 325 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	15 dB (Typ.)
Frequency Pulling	12 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	10 MHz/V (Typ.)
Tuning Port Capacitance	50 pF (Typ.)
Phase Noise @ 10 kHz	-80 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3100 (Max.)
5	3500 (Min.)
8	3900 (Min.)
10	4300 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+12 V
DC Voltage Applied to RF Out	± 25 V



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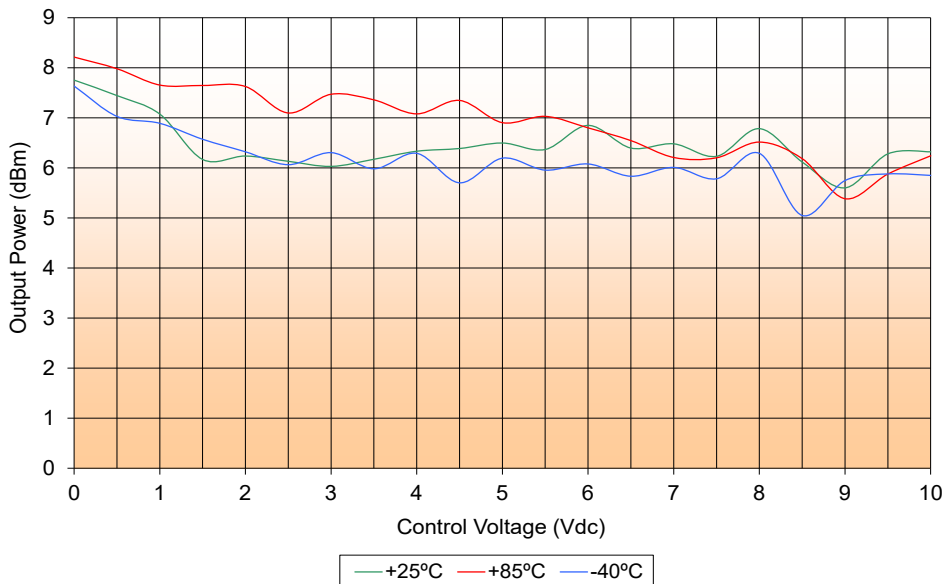
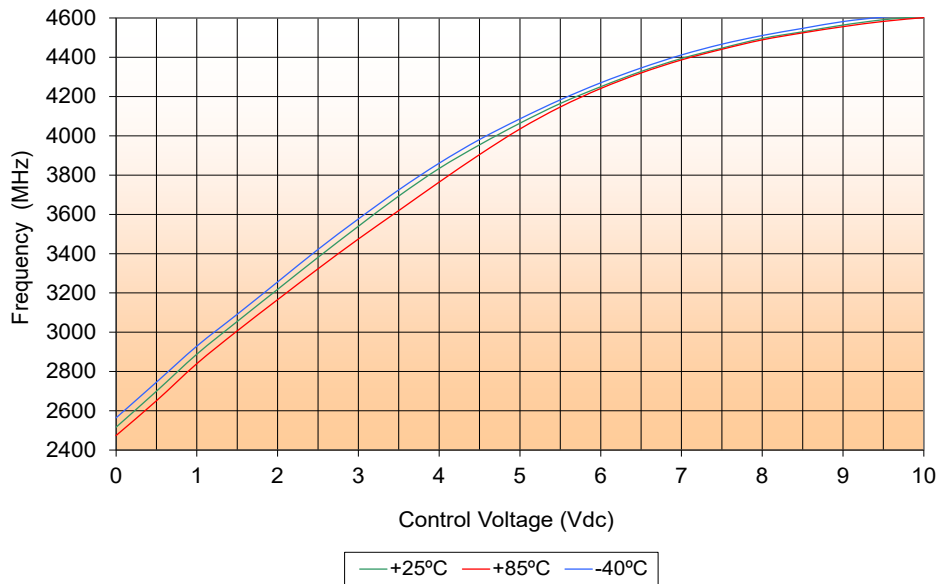
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PERFORMANCE PLOTS



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