

VOLTAGE CONTROLLED OSCILLATOR

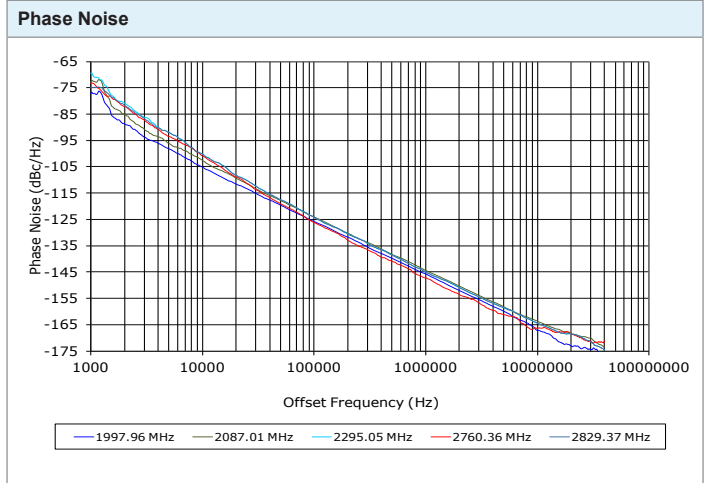
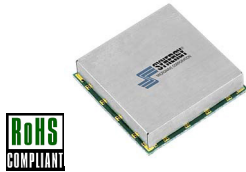
SURFACE MOUNT MODEL: DCRO200280-10

OPTIMIZED BANDWIDTH

2000 - 2800 MHz

FEATURES:

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



SPECIFICATIONS

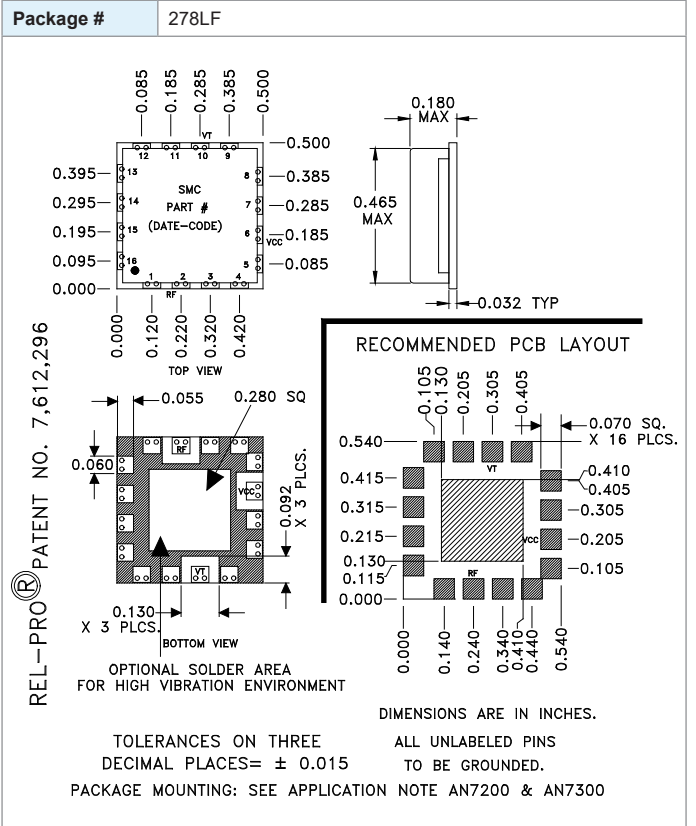
Frequency	2000 - 2800 MHz
Tuning Voltage	See table below.
Bias Voltage	+10 VDC @ 40 mA (Max.)
Output Power	+2 dBm (Min.)
Tuning Sensitivity	16-58 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	22 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	3 MHz/V (Typ.)
Tuning Port Capacitance	90 pF (Typ.)
Phase Noise @ 10 kHz	-103 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	2000 (Max.)
10	2100 (Min.)
15	2300 (Min.)
20	2580 (Min.)
24	2800 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+10.5 V
Tuning Voltage	+28 V
DC Voltage Applied to RF Out	± 25 V



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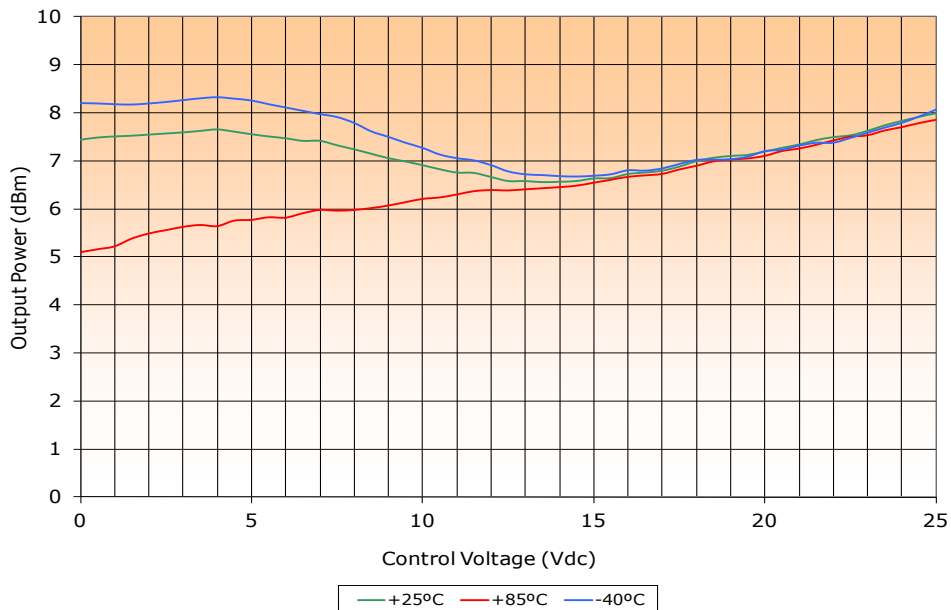
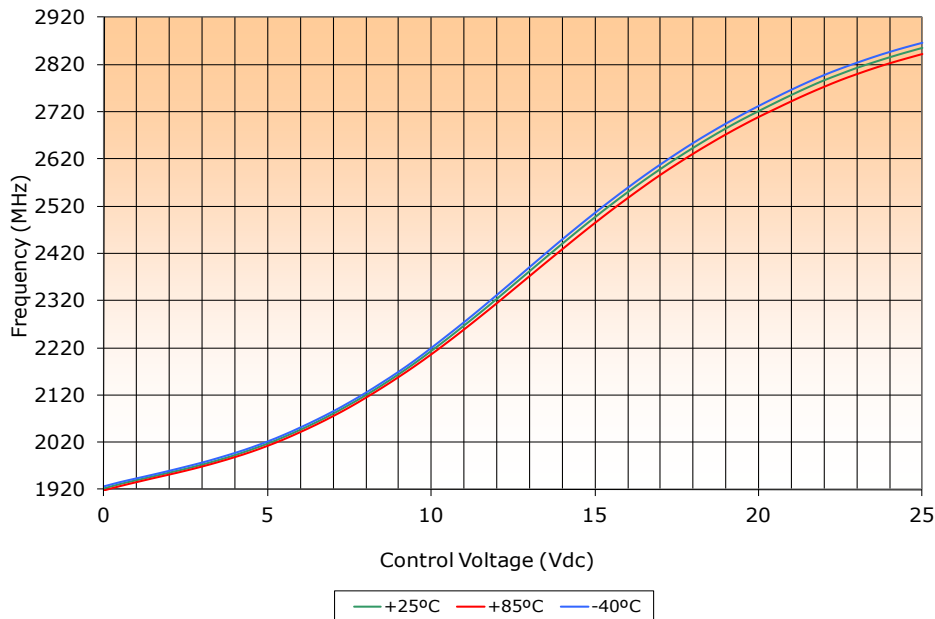
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PERFORMANCE PLOTS



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