

VOLTAGE CONTROLLED OSCILLATOR

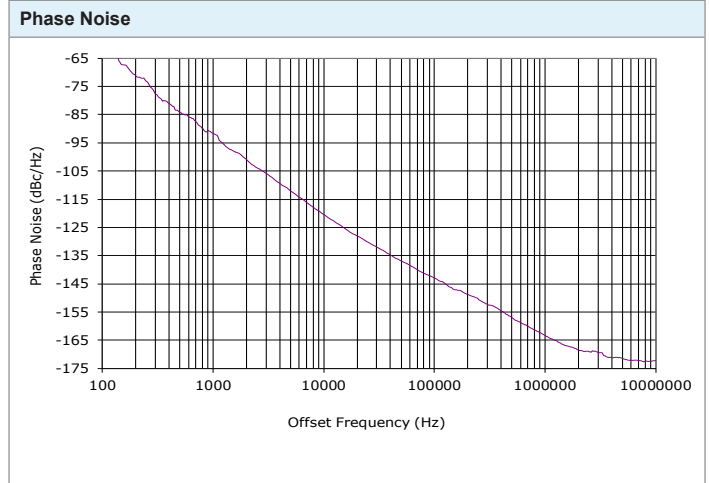
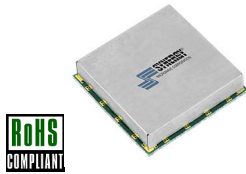
SURFACE MOUNT MODEL: DCSR570-8

OPTIMIZED BANDWIDTH

570 MHz

FEATURES:

- ▶ Optimized Tuning Frequency Band
- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology
- ▶ Planar Resonator Construction

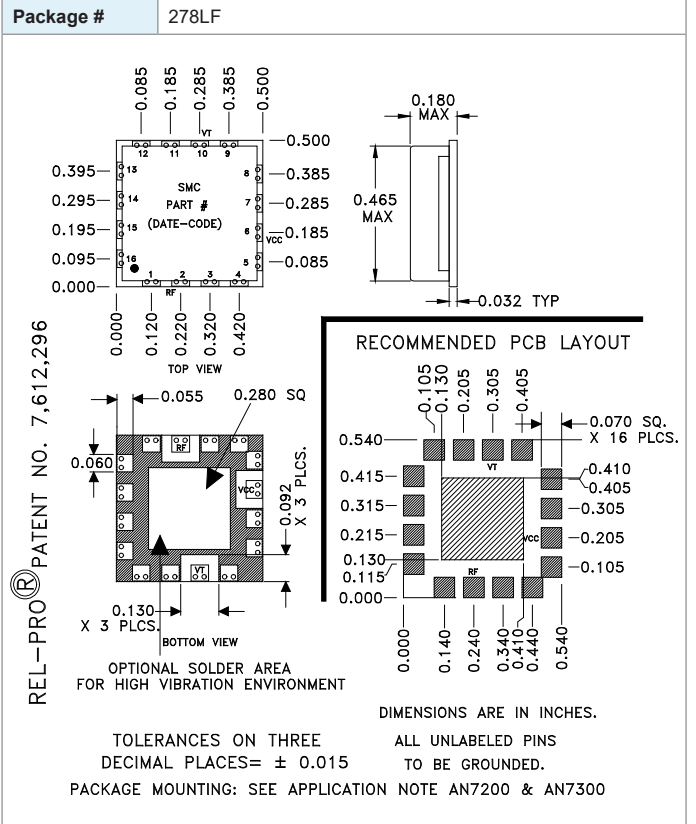


SPECIFICATIONS (Rev. B 10/30/19)

Frequency	570 MHz
Tuning Voltage	0.5 - 8 VDC
Bias Voltage	+8 VDC @ 44 mA (Max.)
Output Power	+3.5 dBm (Min.)
Tuning Sensitivity	2 - 2.25 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	27 dB (Typ.)
Frequency Pulling	0.5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	0.5 MHz/V (Typ.)
Tuning Port Capacitance	150 pF (Typ.)
Phase Noise @ 10 kHz	-120 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+8.5 V
Tuning Voltage	+12 V
DC Voltage Applied to RF Out	± 25 V

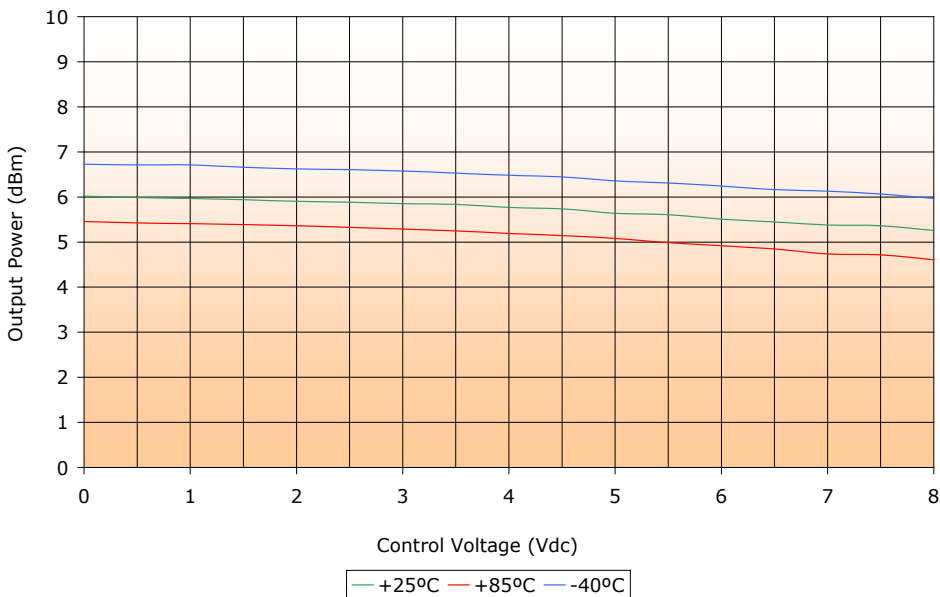
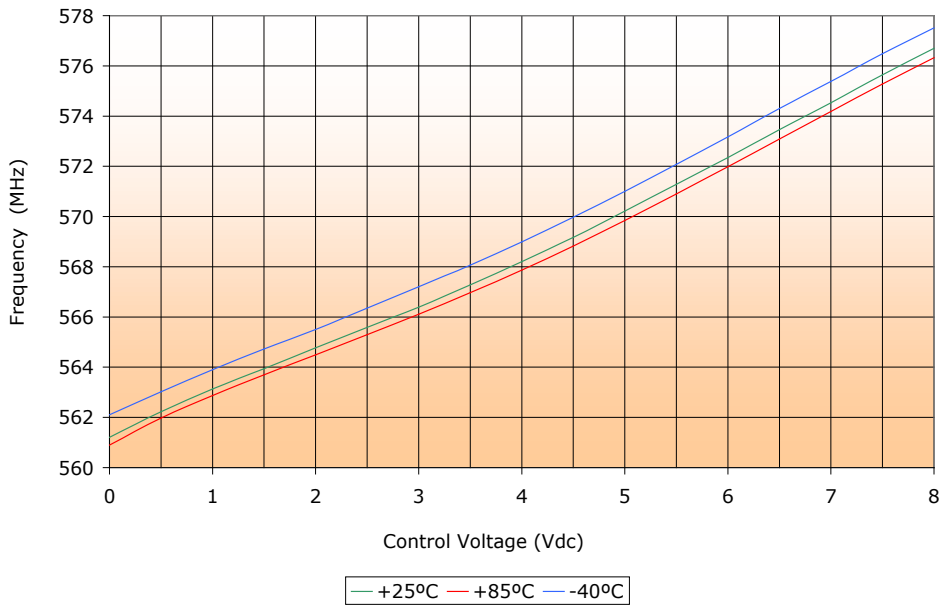


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PERFORMANCE PLOTS



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