

# VOLTAGE CONTROLLED OSCILLATOR

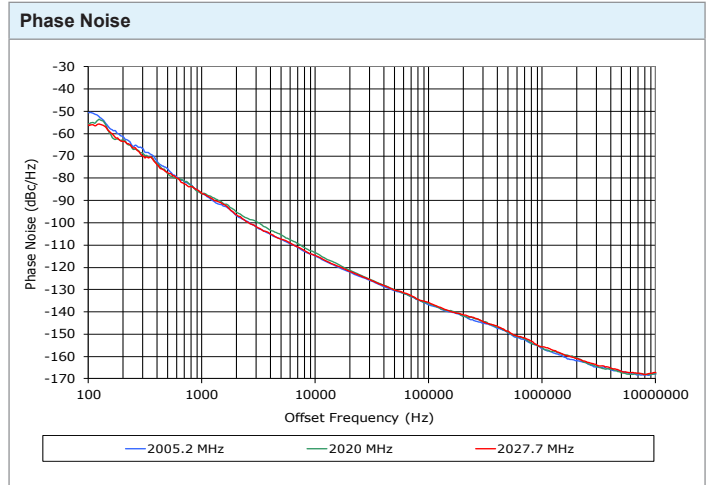
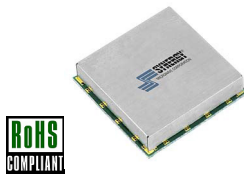
## SURFACE MOUNT MODEL: DCSR2020-5

OPTIMIZED BANDWIDTH

2020 MHz

**FEATURES:**

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

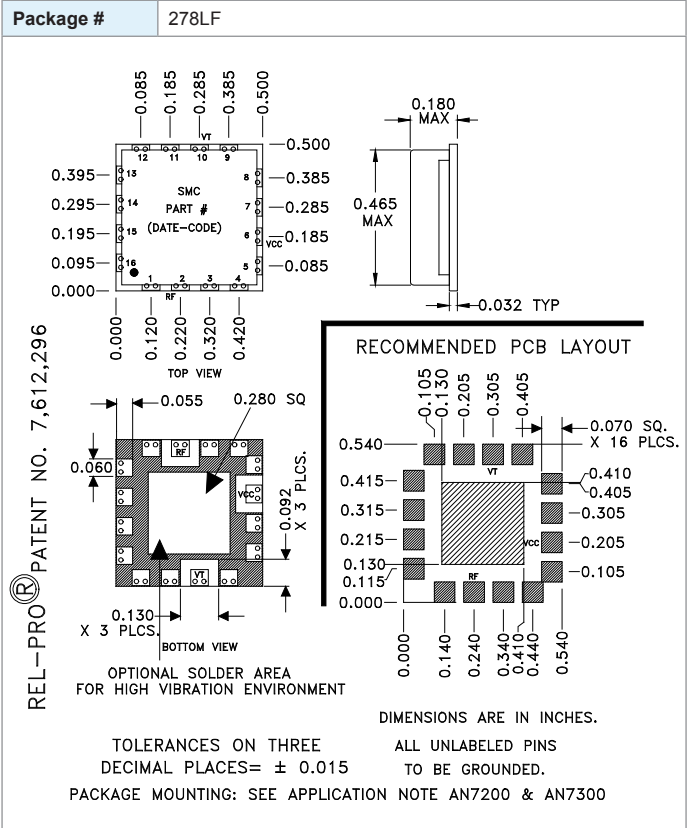


**SPECIFICATIONS**

Frequency	2020 MHz
Tuning Voltage	0.5 - 8.0 VDC
Bias Voltage	+5.0 VDC @ 35 mA (Max.)
Output Power	+2.5 dBm (Min.)
Tuning Sensitivity	2.5 - 3.2 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	22 dB (Typ.)
Frequency Pulling	4 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	2.5 MHz/V (Typ.)
Tuning Port Capacitance	45 pF (Typ.)
Phase Noise @ 10 kHz	-113 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

**Absolute Maximum Ratings**

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+18 V
DC Voltage Applied to RF Out	± 25 V



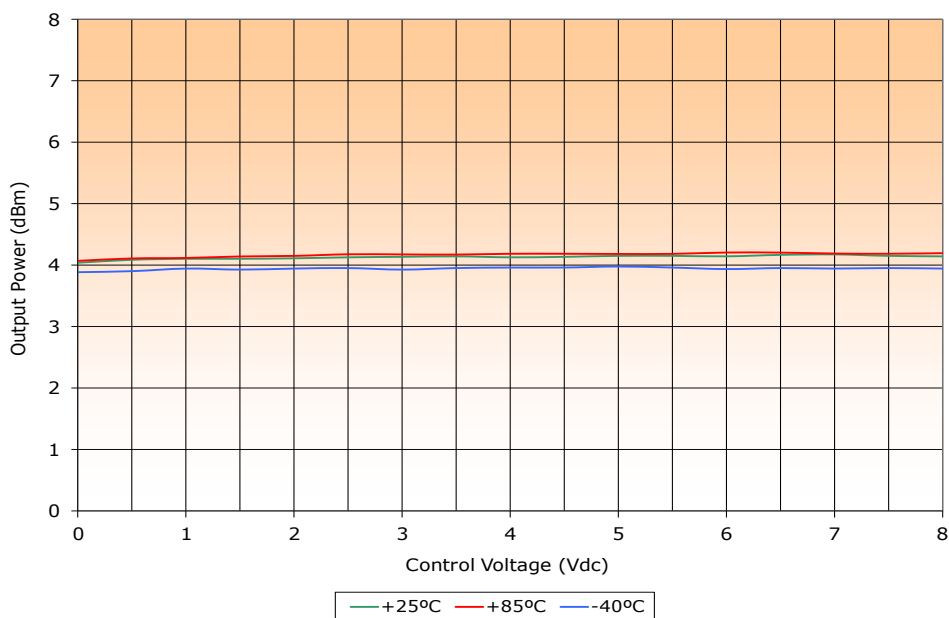
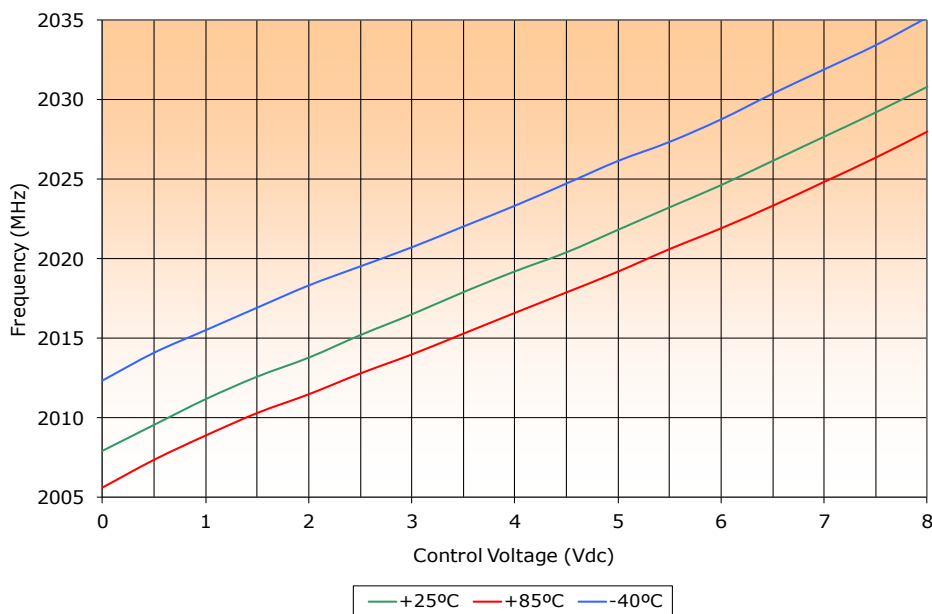
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PERFORMANCE PLOTS



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