

# VOLTAGE CONTROLLED OSCILLATOR

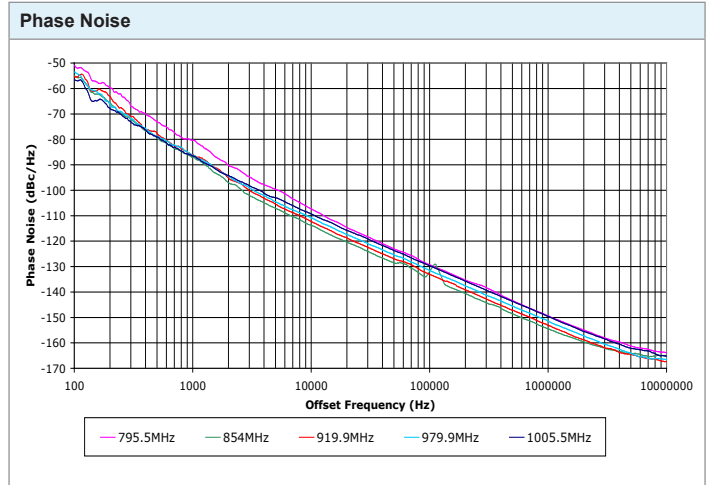
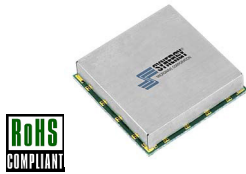
## SURFACE MOUNT MODEL: MFC7995-5

OPTIMIZED BANDWIDTH

790 - 950 MHz

**FEATURES:**

- ▶ Low Phase Noise Performance
- ▶ Fast Tuning
- ▶ Ideal for PLL Applications
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology



**SPECIFICATIONS (Rev. G 08/24/09)**

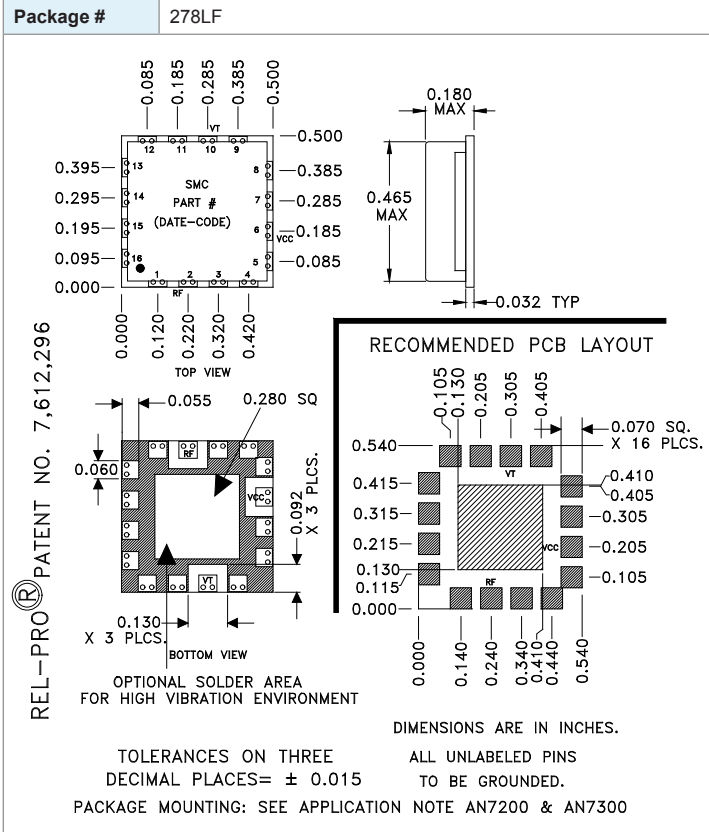
Frequency	790 - 950 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 24 mA (Max.)
Output Power	+4 dBm (Min.)
Tuning Sensitivity	15 - 22 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	15 dB (Typ.)
Frequency Pulling	3 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	1 MHz/V (Typ.)
Tuning Port Capacitance	33 pF (Typ.)
Phase Noise @ 10 kHz	-110 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

**Guaranteed Tuning Specifications**

Tuning Voltage ( V )	Frequency ( MHz )
0.5	790 (Max.)
5	840 (Min.)
8	880 (Min.)
12	930 (Min.)
15	950 (Min.)

**Absolute Maximum Ratings**

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+30 V
DC Voltage Applied to RF Out	± 25 V

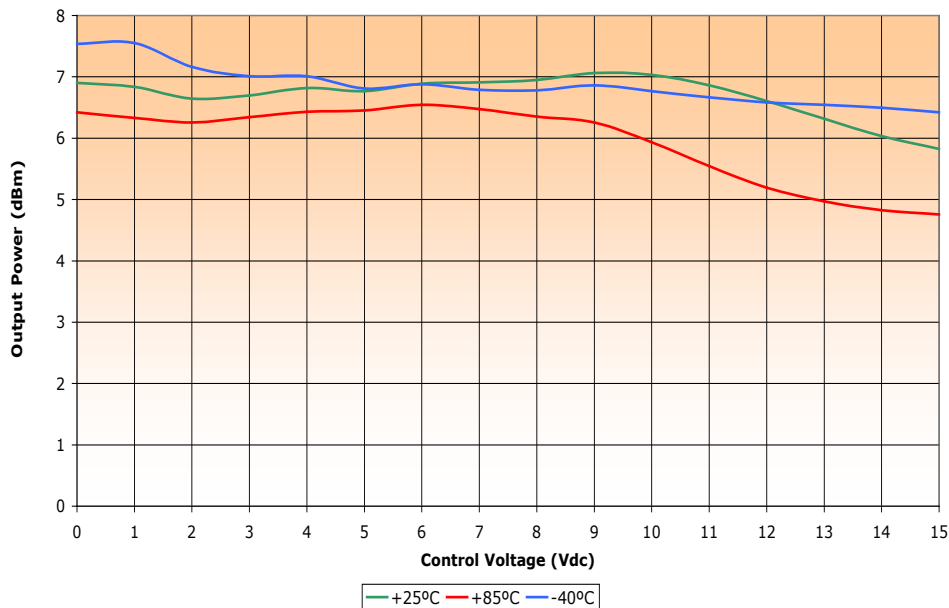
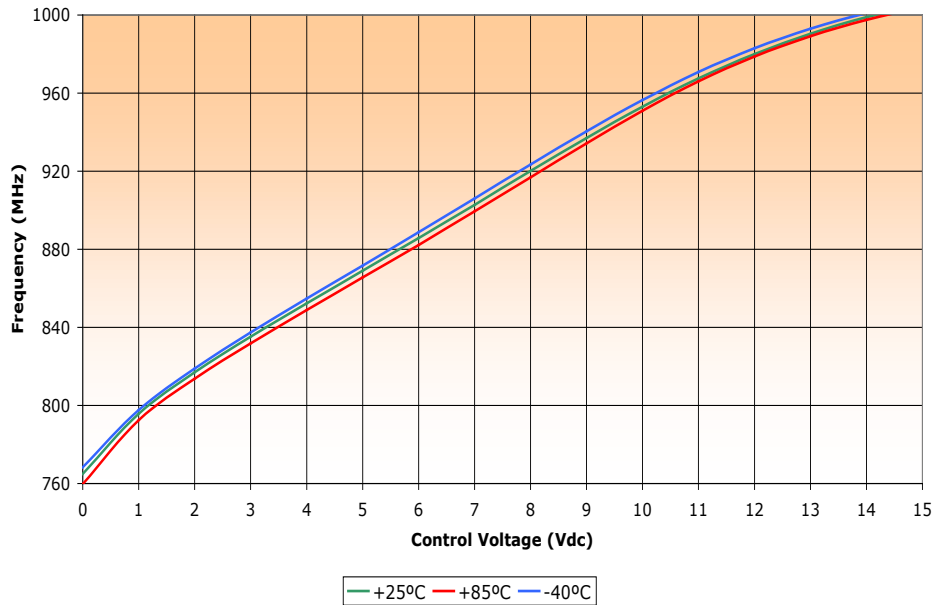


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