

VOLTAGE CONTROLLED OSCILLATOR

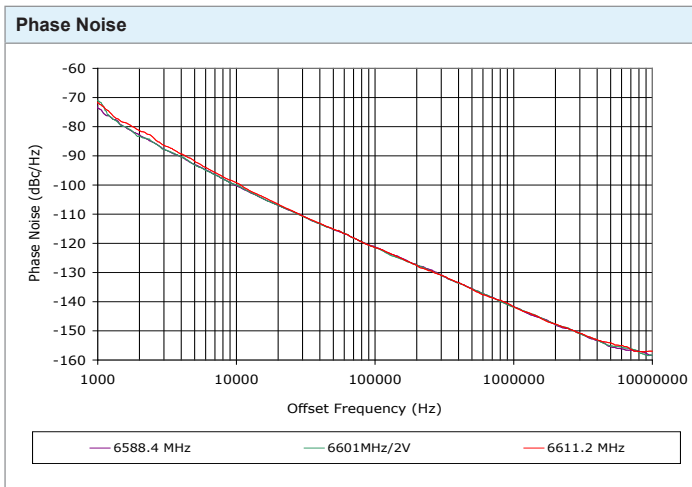
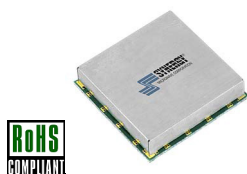
SURFACE MOUNT MODEL: DCSR6600-8

OPTIMIZED FREQUENCY

6600 MHz

FEATURES:

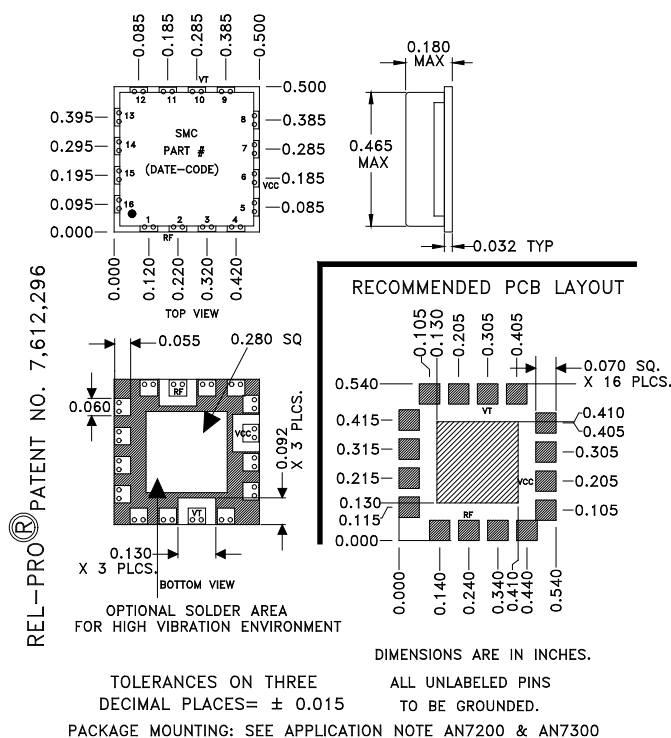
- ▶ Optimized Tuning Frequency Band
- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology
- ▶ Planar Resonator Construction



SPECIFICATIONS (Rev. A 11/16/09)

Frequency	6600 MHz
Tuning Voltage	0.5 - 8 VDC
Bias Voltage	+8 VDC @ 28 mA (Max.)
Output Power	-1 dBm (Min.)
Tuning Sensitivity	5 - 6 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	20 dB (Typ.)
Frequency Pulling	7 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	4 MHz/V (Typ.)
Tuning Port Capacitance	10 pF (Typ.)
Phase Noise @ 10 kHz	-100 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Package # 278LF



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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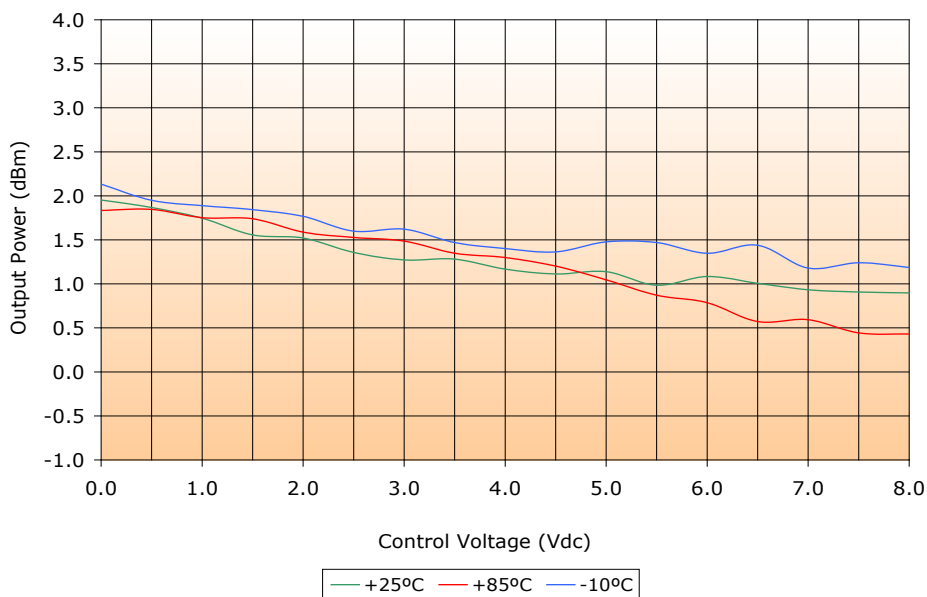
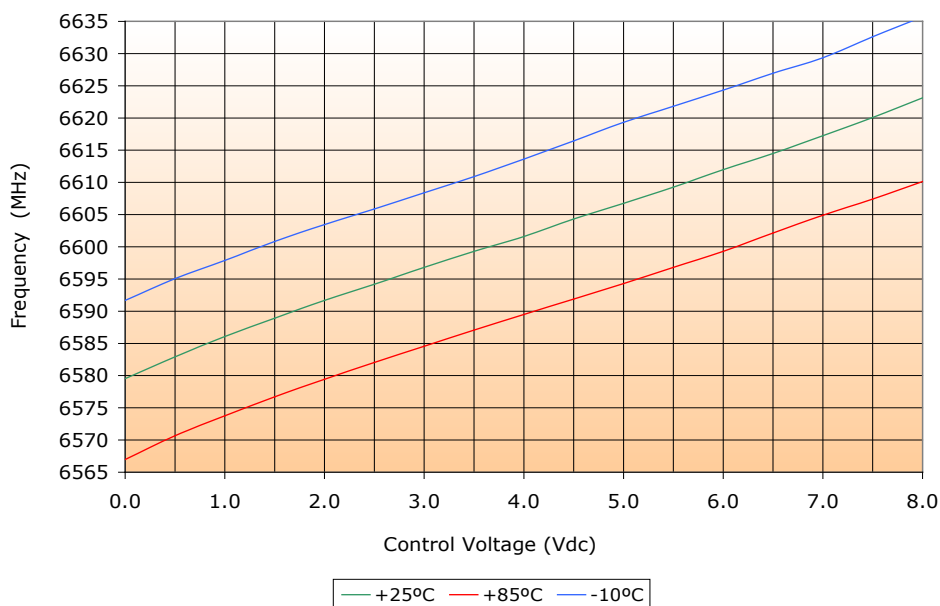


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCSR6600-8

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6600 MHz

PERFORMANCE PLOTS



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