

VOLTAGE CONTROLLED OSCILLATOR

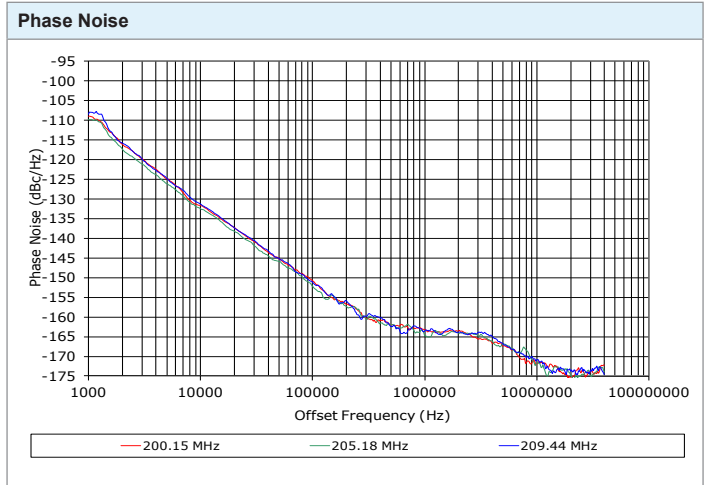
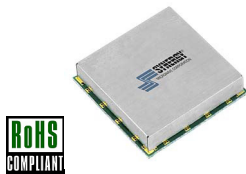
SURFACE MOUNT MODEL: DCSR200-5

OPTIMIZED BANDWIDTH

202.7 - 209 MHz

FEATURES:

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



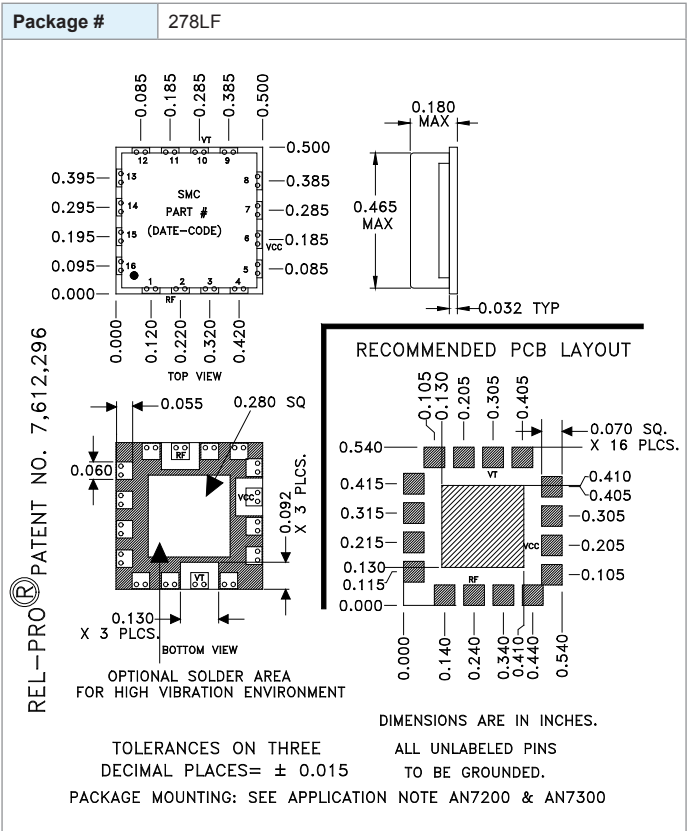
SPECIFICATIONS (Rev. I 08/14/13)

Frequency	202.7 - 209 MHz
Tuning Voltage	0.5 - 11 VDC
Bias Voltage	+5 VDC @ 34 mA (Max.)
Output Power	+6 dBm (Min.)
Tuning Sensitivity	0.8 - 1.5 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	15 dB (Typ.)
Frequency Pulling	0.25 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	0.01 MHz/V (Typ.)
Tuning Port Capacitance	400 pF (Typ.)
Phase Noise @ 10 kHz	-132 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	+12 V
DC Voltage Applied to RF Out	± 25 V

Patent : <http://www.synergymwave.com/patents>

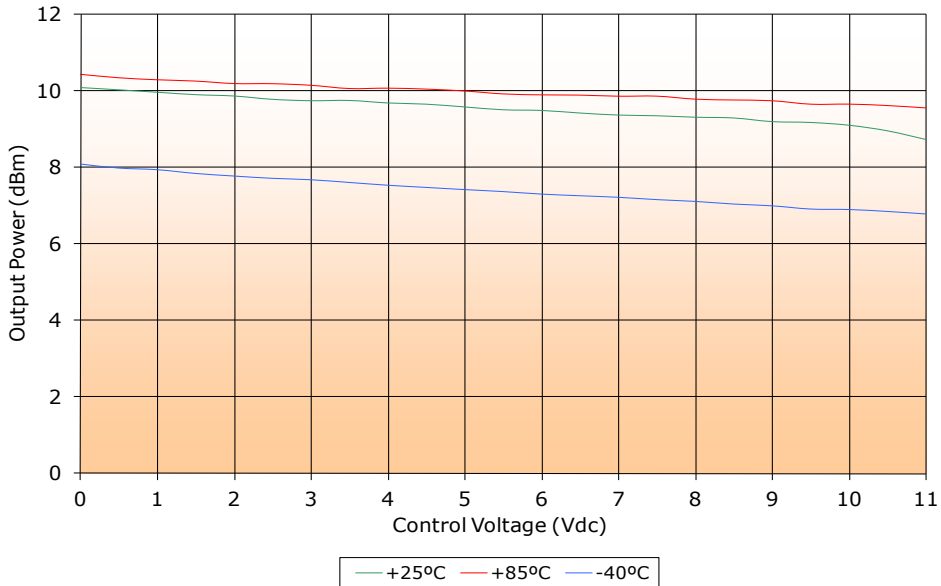
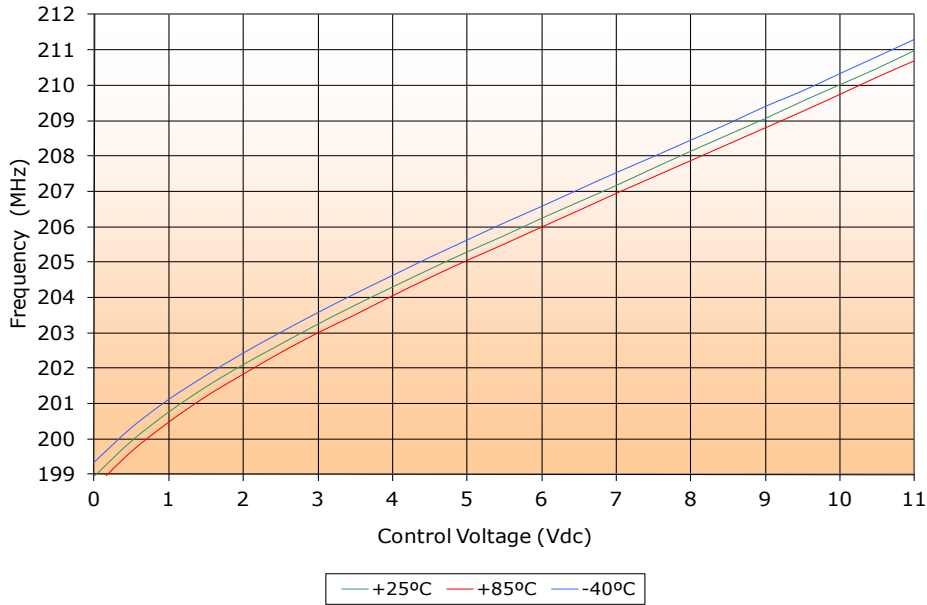


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCSR200-5

OPTIMIZED BANDWIDTH

202.7 - 209 MHz

PERFORMANCE PLOTS



Copyright © Synergy Microwave Corporation
201 McLean Boulevard • Paterson, New Jersey 07504 USA

Tel: (973) 881-8800 • Fax: (973) 881-8361

E-Mail: sales@synergymwave.com • Website: <http://www.synergymwave.com>



VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCSR200-5

OPTIMIZED BANDWIDTH

202.7 - 209 MHz

PERFORMANCE PLOTS

