

VOLTAGE CONTROLLED OSCILLATOR

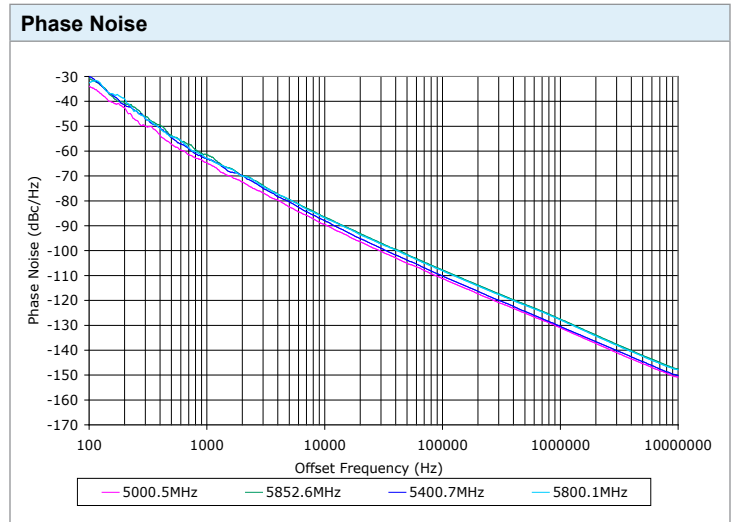
SURFACE MOUNT MODEL: DCRO490575-5

OPTIMIZED BANDWIDTH

4900 - 5750 MHz

FEATURES:

- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology
- ▶ Buffered Output



SPECIFICATIONS (Rev. E 09/02/14)

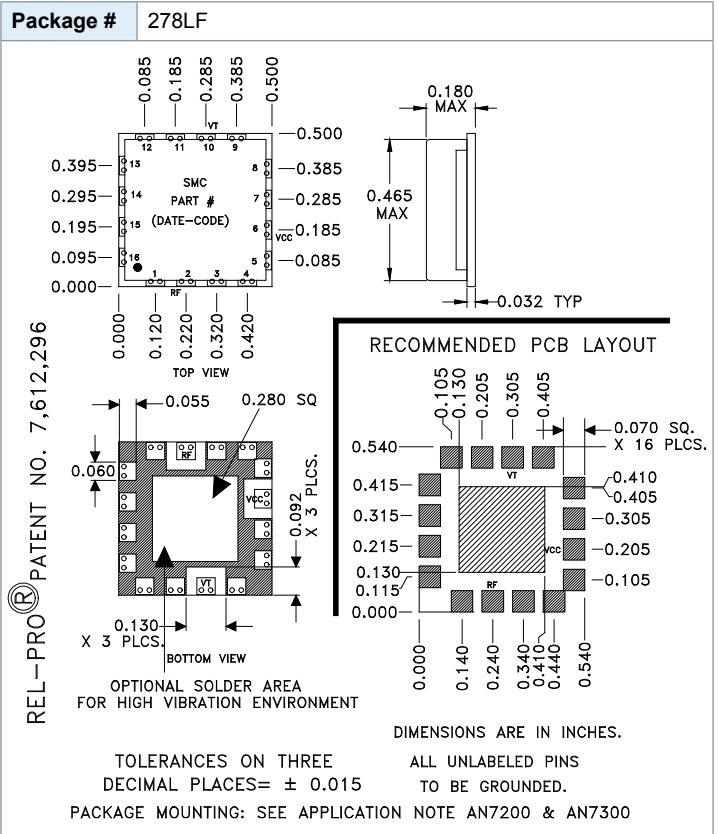
Frequency	4900 - 5750 MHz
Tuning Voltage (Full Band)	See table below.
Bias Voltage	+5 VDC @ 50 mA (Max.)
Output Power	+2 dBm (Min.)
Tuning Sensitivity	25 - 60 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	15 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	5 MHz/V (Typ.)
Tuning Port Capacitance	49 pF (Typ.)
Phase Noise @ 10 kHz	-88 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +75 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	4900 (Max)
5	5050 (Min)
8	5150 (Min)
12	5300 (Min)
15	5500 (Min)
18	5620 (Min)
24	5750 (Min)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+28 V
DC Voltage Applied to RF Out	± 25 V



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 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
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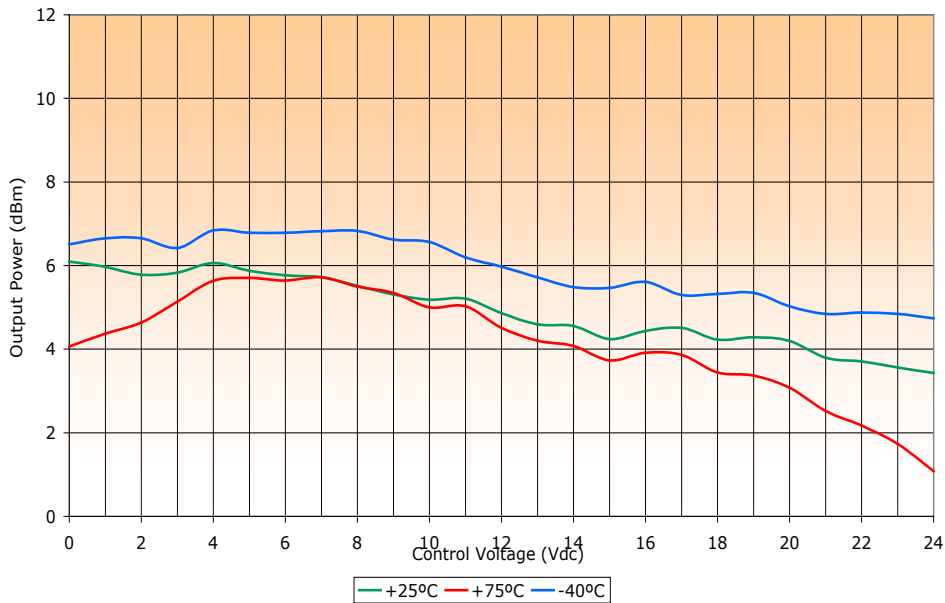
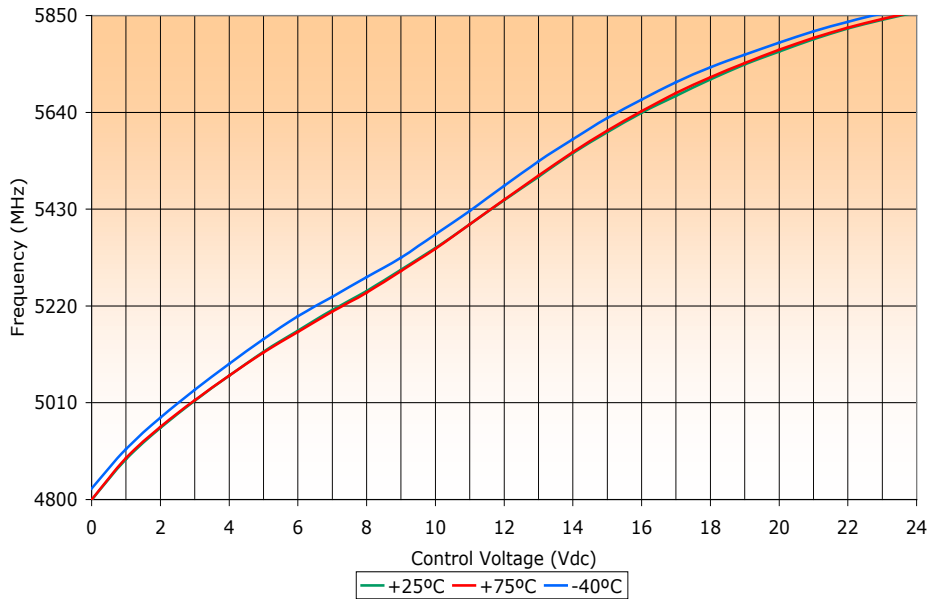
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PERFORMANCE PLOTS



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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>
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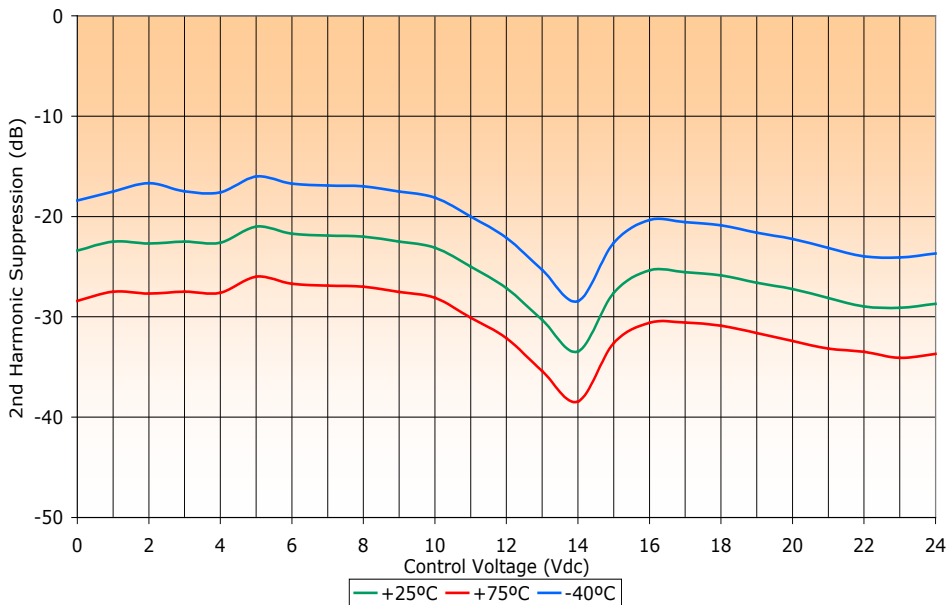
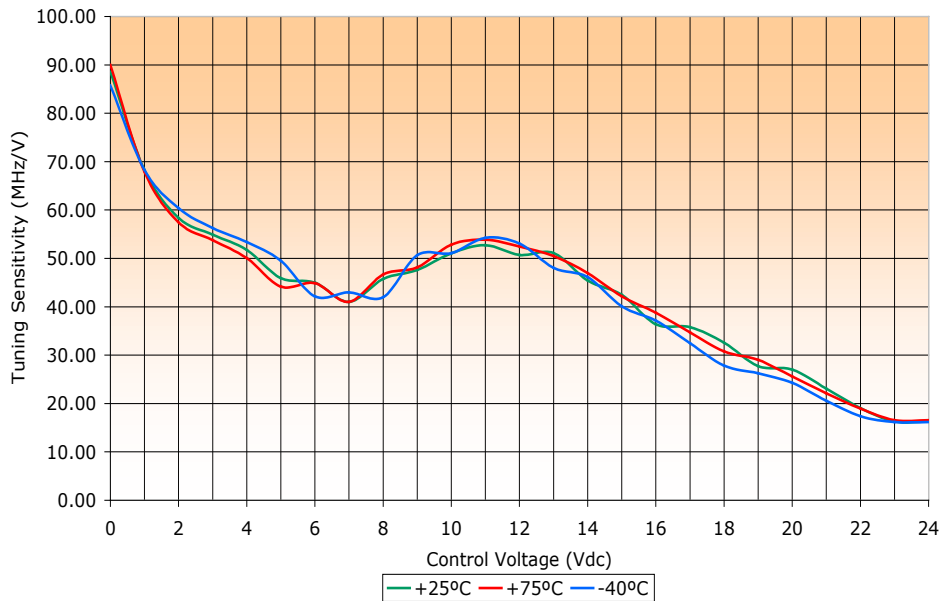


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCRO490575-5

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