

VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCRO285345-5

OPTIMIZED BANDWIDTH

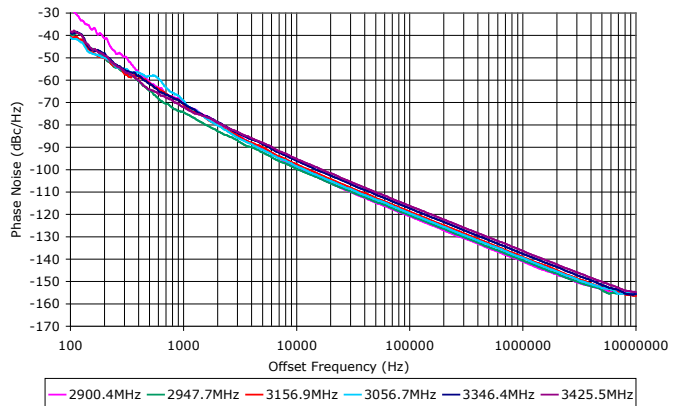
2850 - 3450 MHz

FEATURES:

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



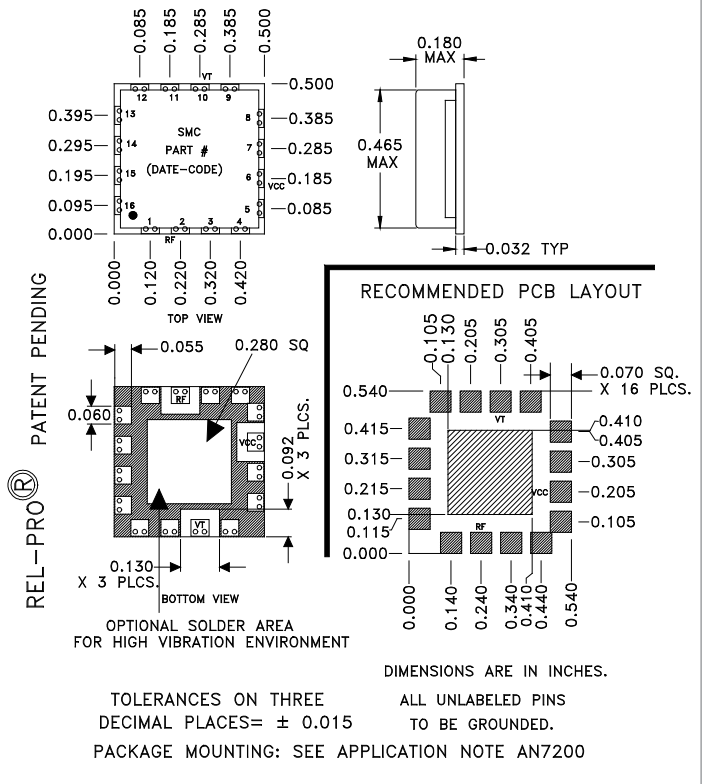
Phase Noise



SPECIFICATIONS (Rev. C 10/20/08)

Frequency	2850 - 3450 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 35 mA (Max.)
Output Power	+5 dBm (Min.)
Tuning Sensitivity	16 - 45 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	15 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	7 MHz/V (Typ.)
Tuning Port Capacitance	41 pF (Typ.)
Phase Noise @ 10 kHz	-98 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Package # 278LF



Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	2850 (Max)
5	2910 (Min)
8	3000 (Min)
12	3150 (Min)
15	3250 (Min)
18	3350 (Min)
24	3450 (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

This product is manufactured under one or more of the following patents: Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,605,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591; 7,262,670; 7,265,642; 7,292,113
 Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834;
 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787



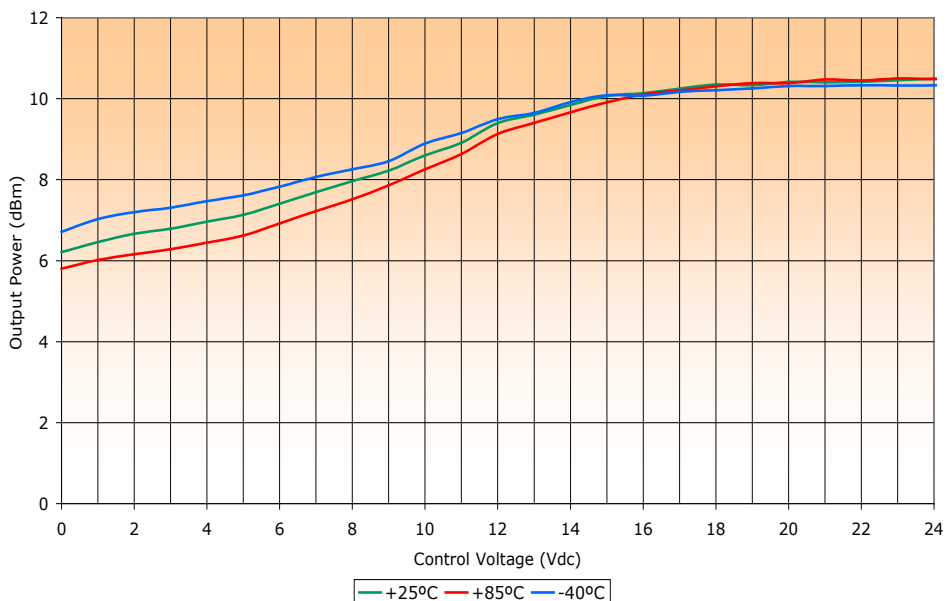
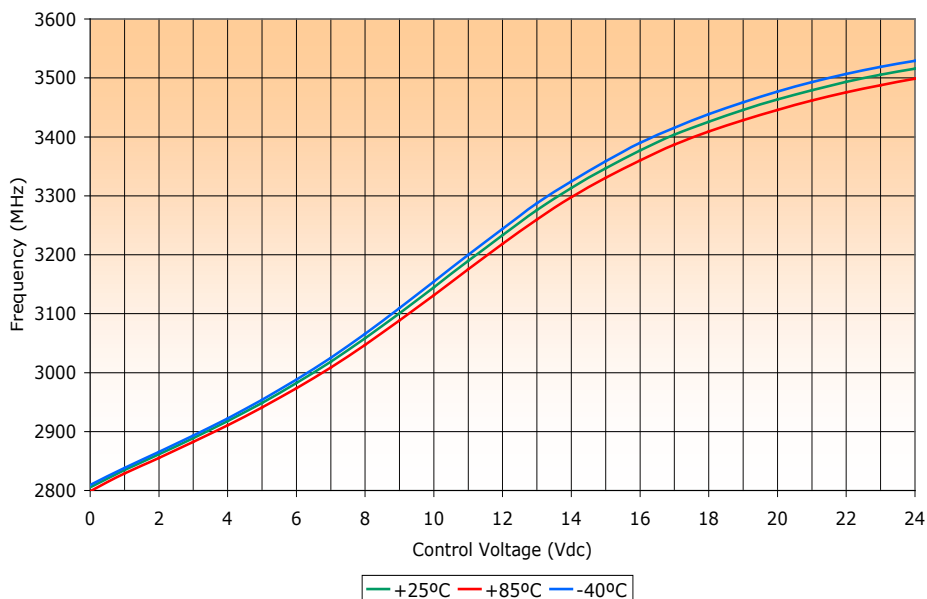
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PERFORMANCE PLOTS



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 201 McLean Boulevard • Paterson, New Jersey 07504 • Tel: (973) 881-8800 • Fax: (973) 881-8361
 E-Mail: sales@synergymw.com • World Wide Web: <http://www.synergymw.com>



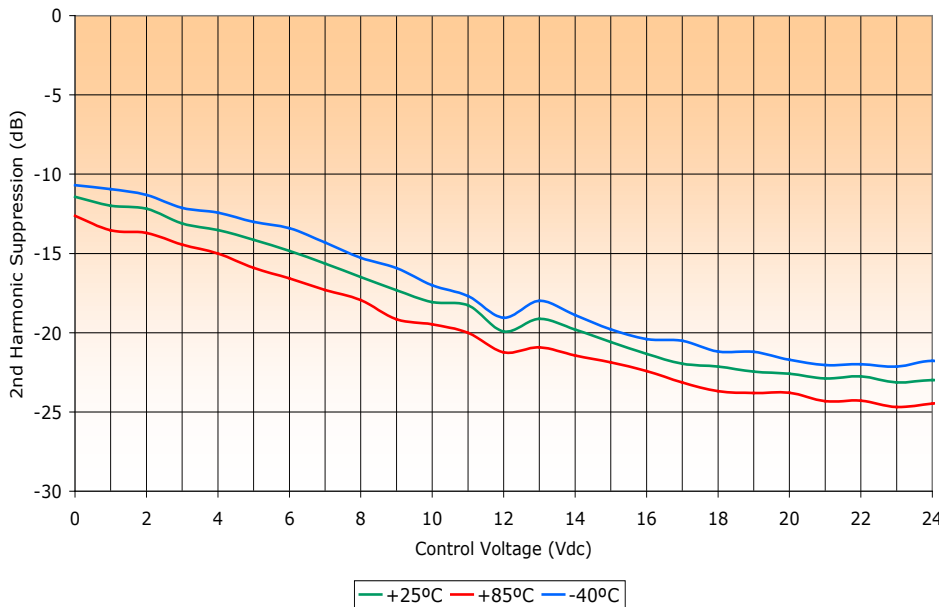
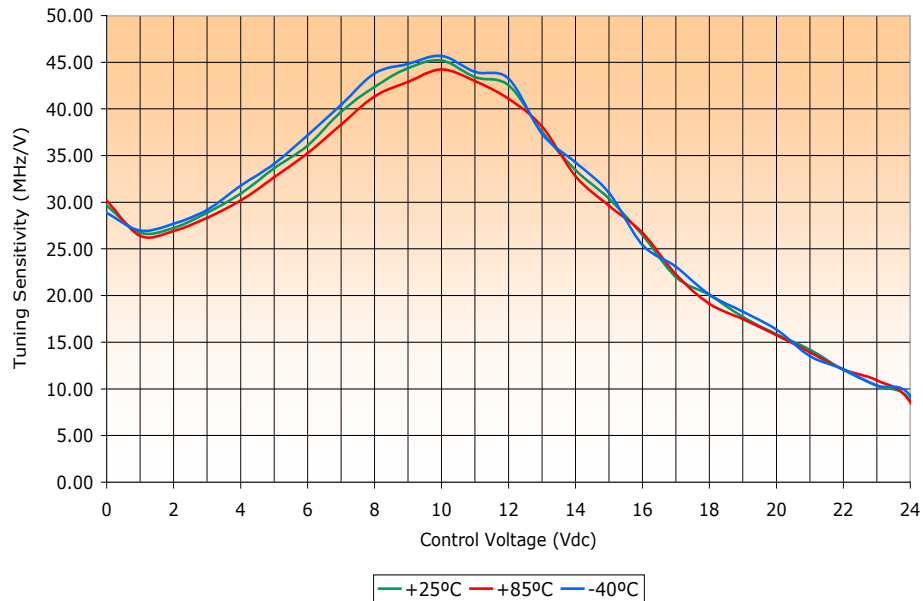
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 201 McLean Boulevard • Paterson, New Jersey 07504 • Tel: (973) 881-8800 • Fax: (973) 881-8361
 E-Mail: sales@synergymw.com • World Wide Web: <http://www.synergymw.com>

