

VOLTAGE CONTROLLED OSCILLATOR

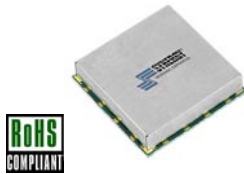
SURFACE MOUNT MODEL: DCRO354374-10

OPTIMIZED BANDWIDTH

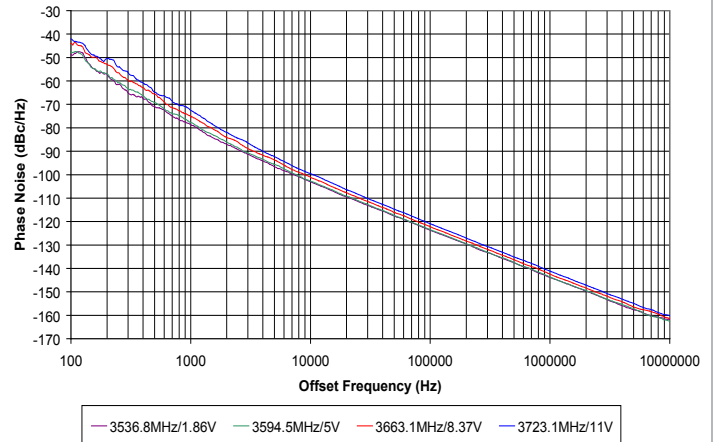
3540 - 3740 MHz

FEATURES:

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



Phase Noise



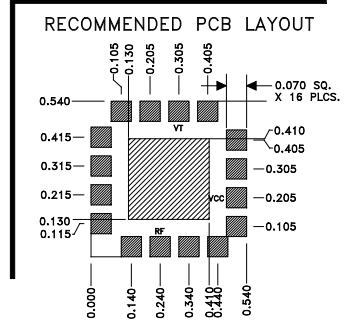
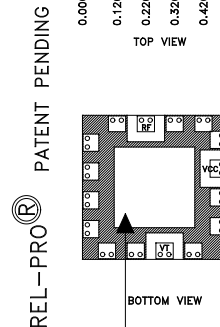
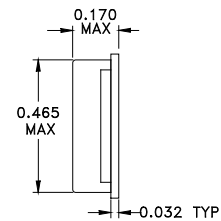
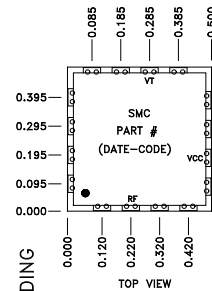
SPECIFICATIONS (Rev. B 07/03/07)

Frequency	3540 - 3740 MHz
Tuning Voltage (Full Band)	See table below
Bias Voltage	+10V @ 35mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	18 - 28 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	22 dB (Typ.)
Frequency Pulling	8 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	5 MHz/V (Typ.)
Phase Noise @ 10 kHz	-102 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3540 (Max.)
5	3573 (Min.)
8	3605 (Min.)
12	3670 (Min.)
15	3740 (Min.)

Package # 278LF



OPTIONAL SOLDER AREA FOR HIGH VIBRATION ENVIRONMENT

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

ALL UNLABELED PINS TO BE GROUNDED.

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; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591 | 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



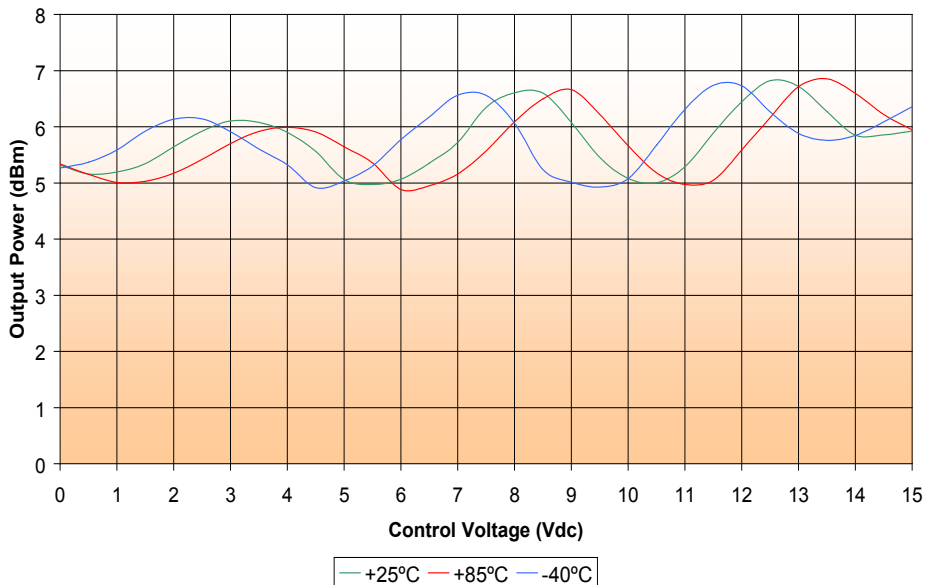
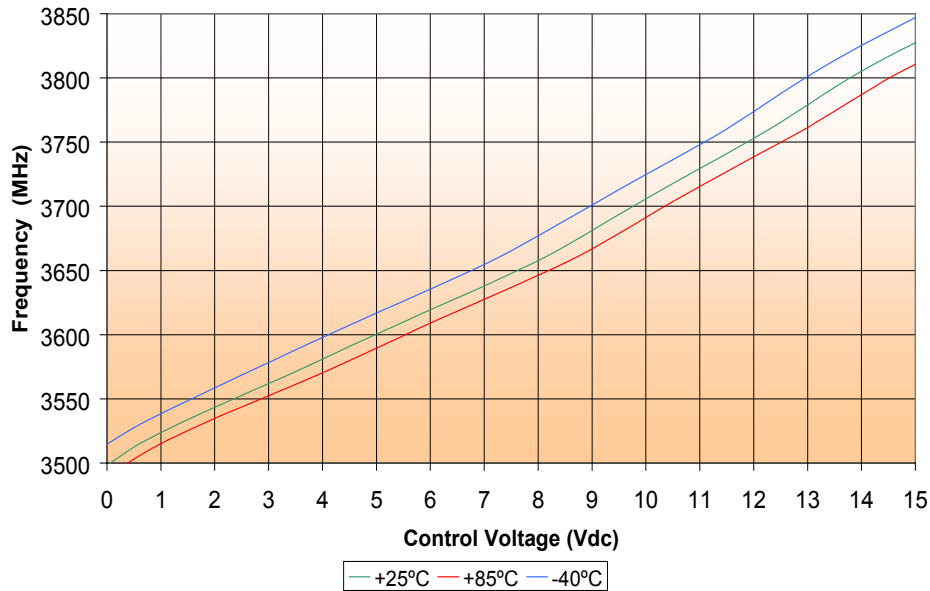
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PERFORMANCE PLOTS



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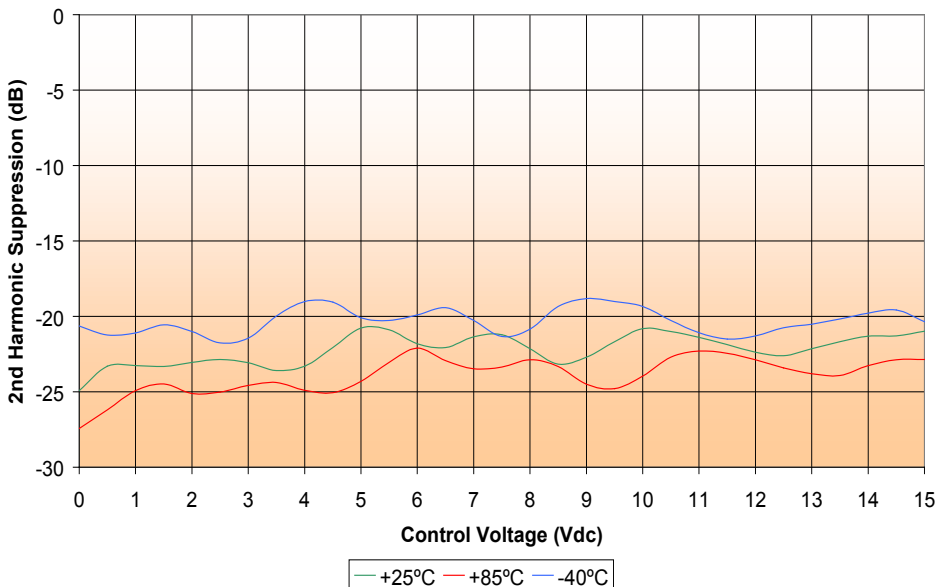
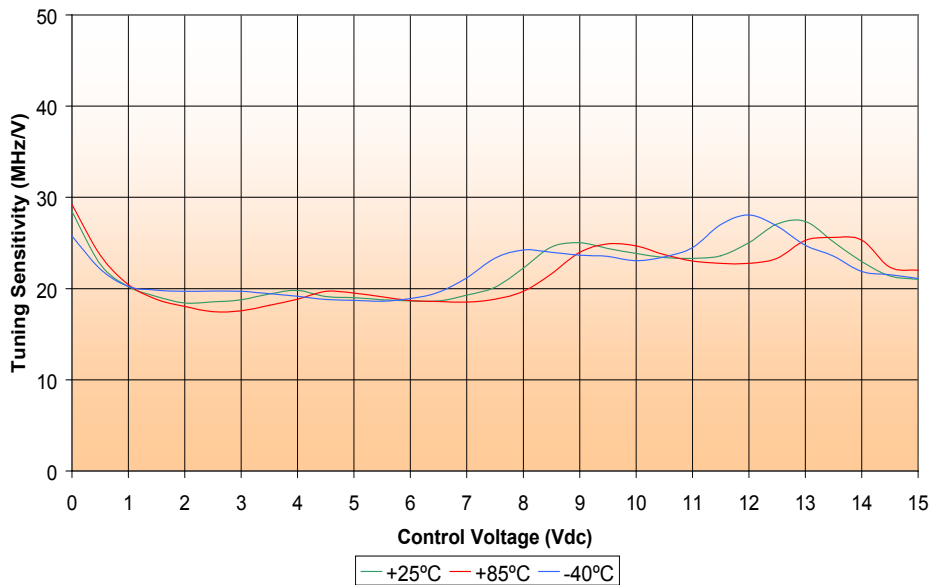
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