

VOLTAGE CONTROLLED OSCILLATOR

查询"DCRO360382-8"供应商

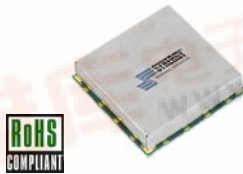
SURFACE MOUNT MODEL: DCRO360382-8

OPTIMIZED BANDWIDTH

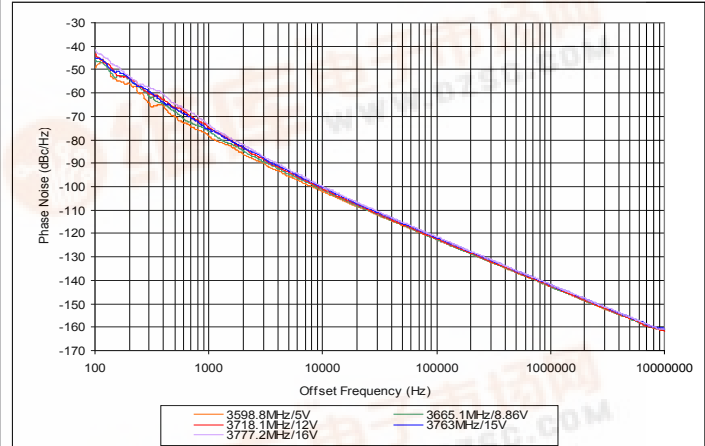
3600 - 3820 MHz

FEATURES:

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



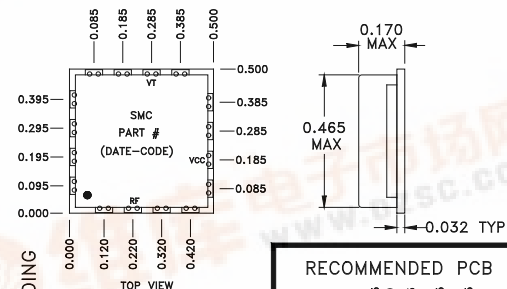
Phase Noise



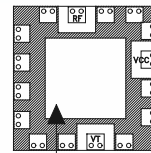
SPECIFICATIONS (Rev. B 07/07/03)

Frequency	3600 - 3820 MHz
Tuning Voltage (Full Band)	0.5 - 24 VDC
Bias Voltage	+8 VDC @ 35 mA (Max)
Output Power	+2 dBm (Min)
Tuning Sensitivity	10 - 25 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	20 dBc (Typ)
Frequency Pulling	8 MHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	3 MHz/V (Typ)
Phase Noise @ 10 kHz	-102 dBc/Hz (Typ)
Operating Temperature Range	-40 to +85 °C

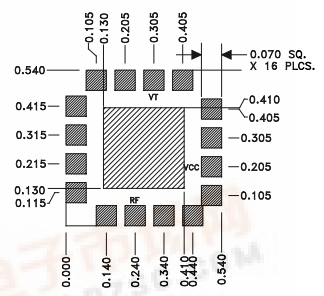
Package # 278LF



REL-PRO® PATENT PENDING



RECOMMENDED PCB LAYOUT



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 GROUNDING.

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3600 (Max)
12	3680 (Min)
15	3710 (Min)
24	3820 (Min)

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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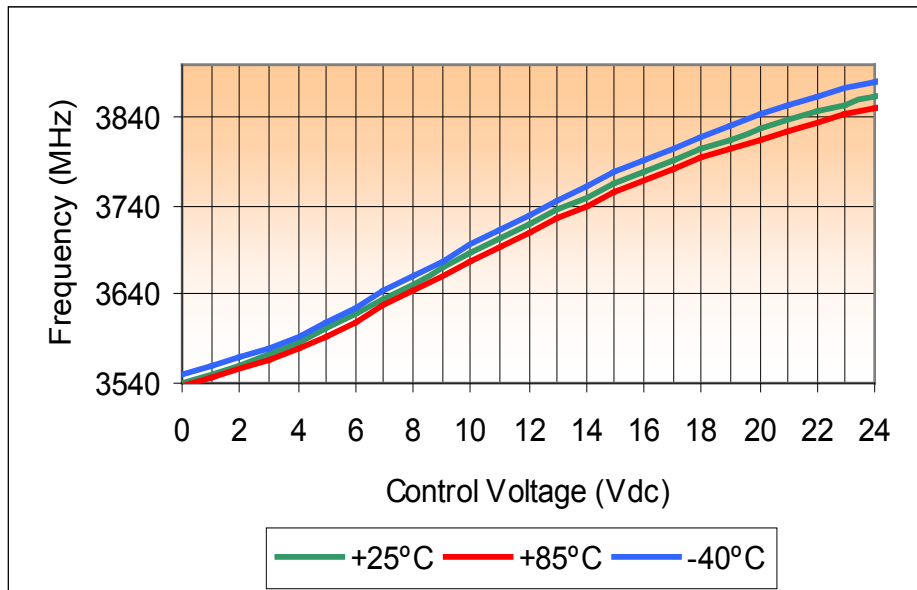
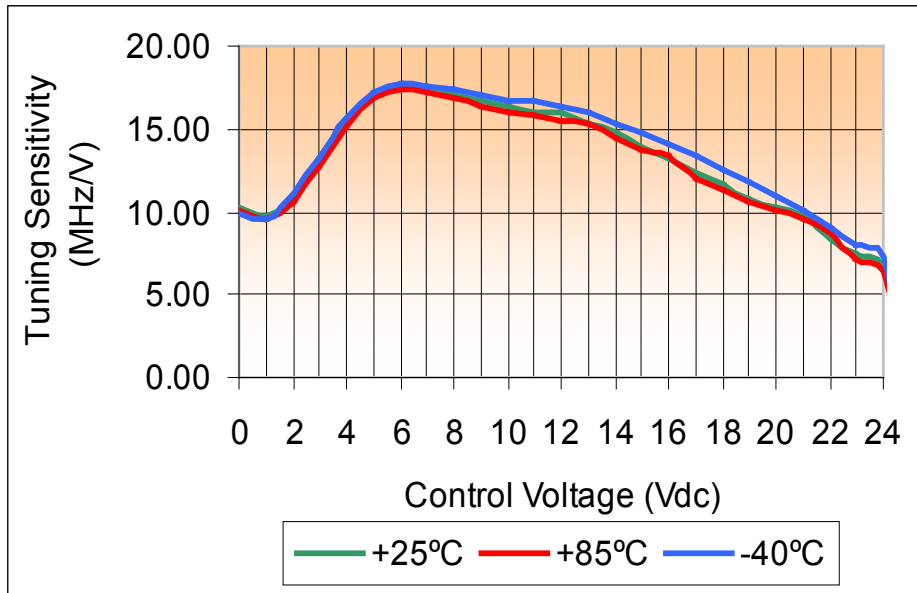
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PERFORMANCE PLOTS



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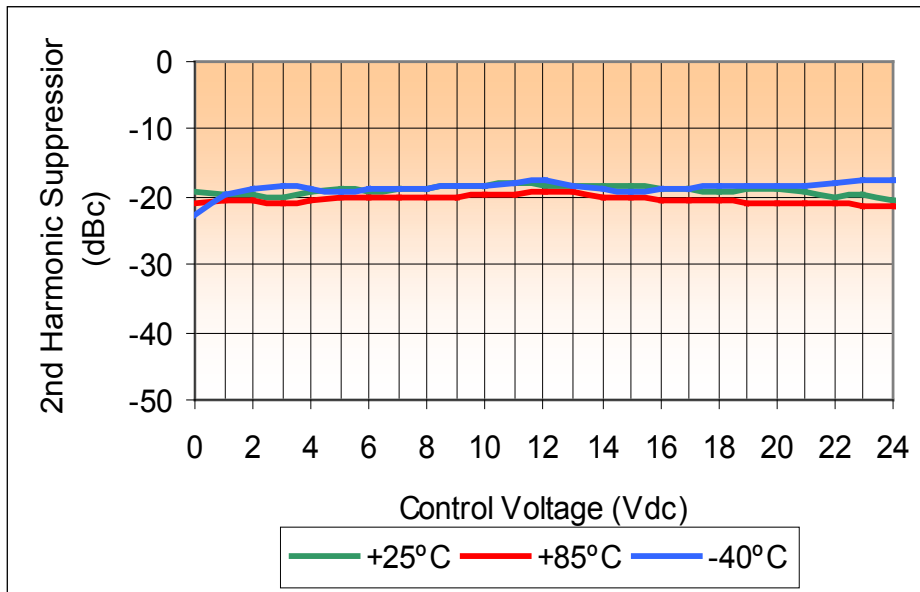
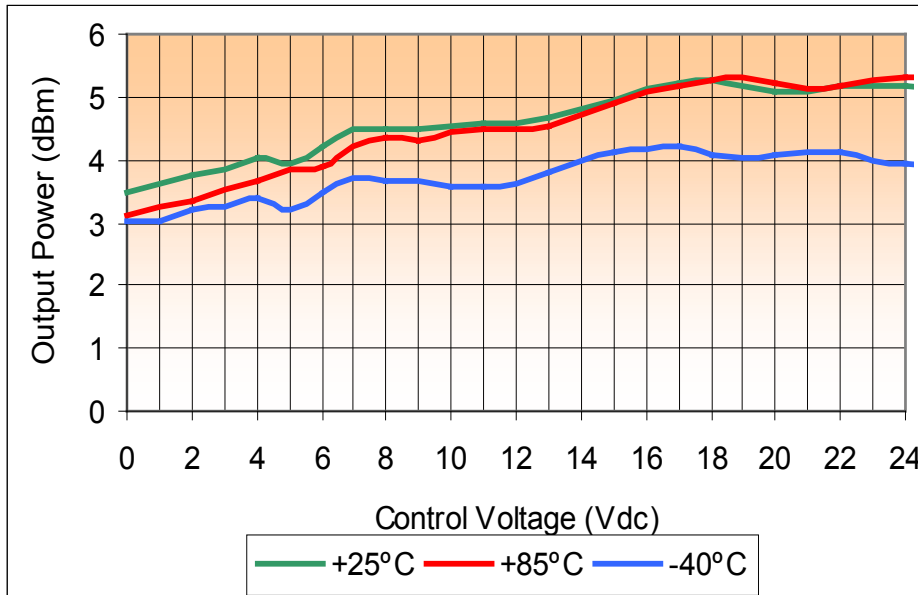
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