

VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCMO1545

WIDE BANDWIDTH

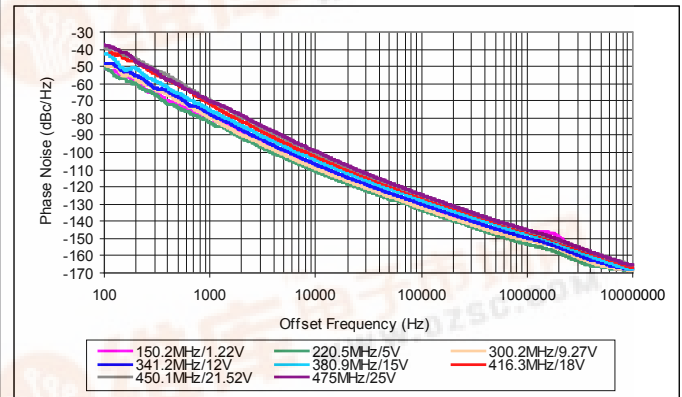
150 - 450 MHz

FEATURES:

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



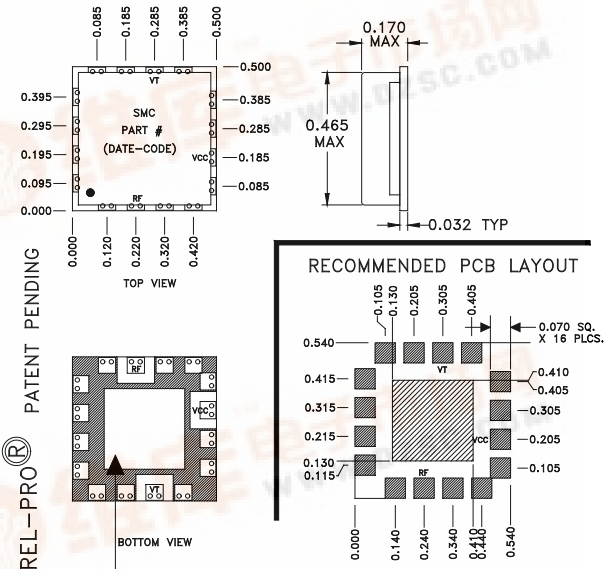
Phase Noise



SPECIFICATIONS (Rev. E 07/03/07)

Frequency	150 - 450 MHz
Tuning Voltage (Full Band)	0.5 - 24 VDC
Bias Voltage	+5 to +12 VDC @ 35 mA (Max)
Output Power	+4 dBm (Min)
Tuning Sensitivity	8 - 20 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	10 dBc (Typ)
Frequency Pulling	4 MHz (Max @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Max)
Phase Noise @ 10 kHz	-108 dBc/Hz (Typ)
Operating Temperature Range	-40 to +85 °C

Package # 278LF



Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	150 (Max)
5	200 (Min)
8	250 (Min)
12	320 (Min)
15	360 (Min)
18	400 (Min)
24	450 (Min)

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.

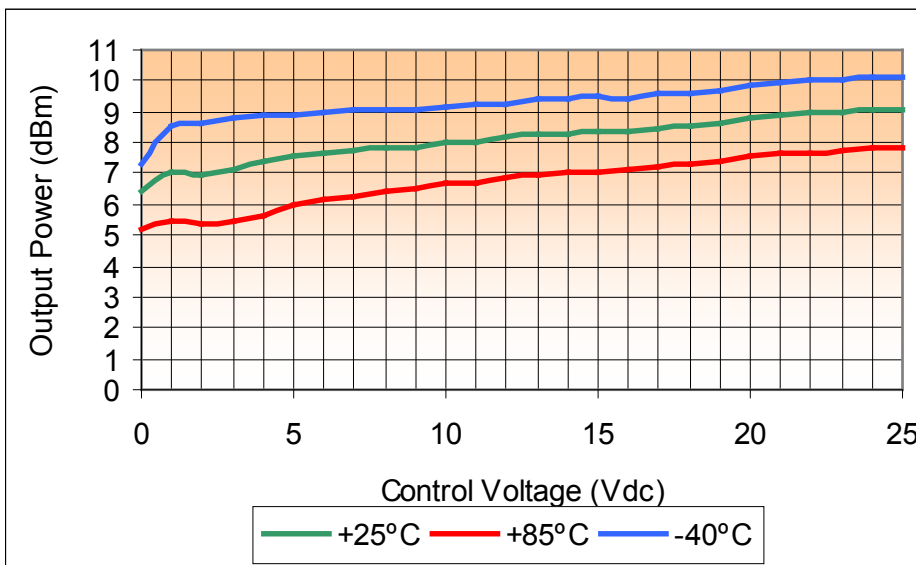
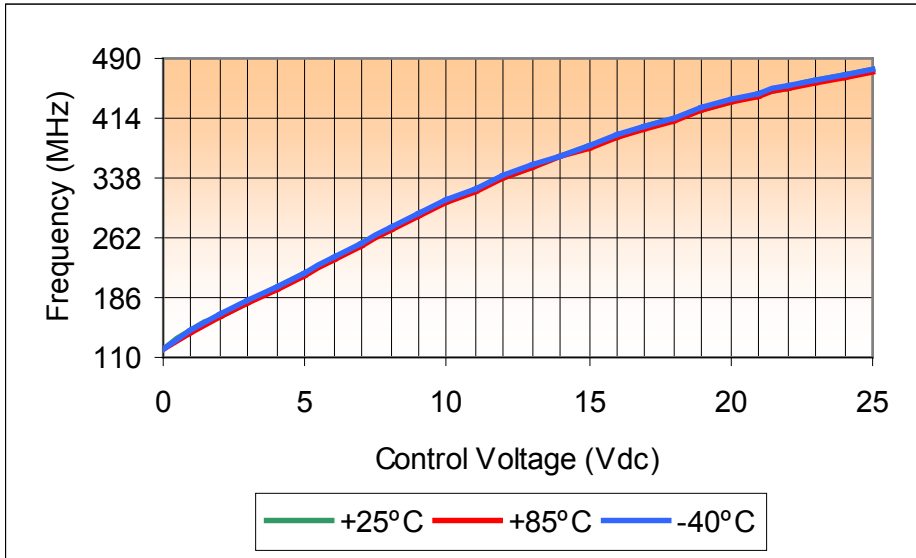


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PERFORMANCE PLOTS



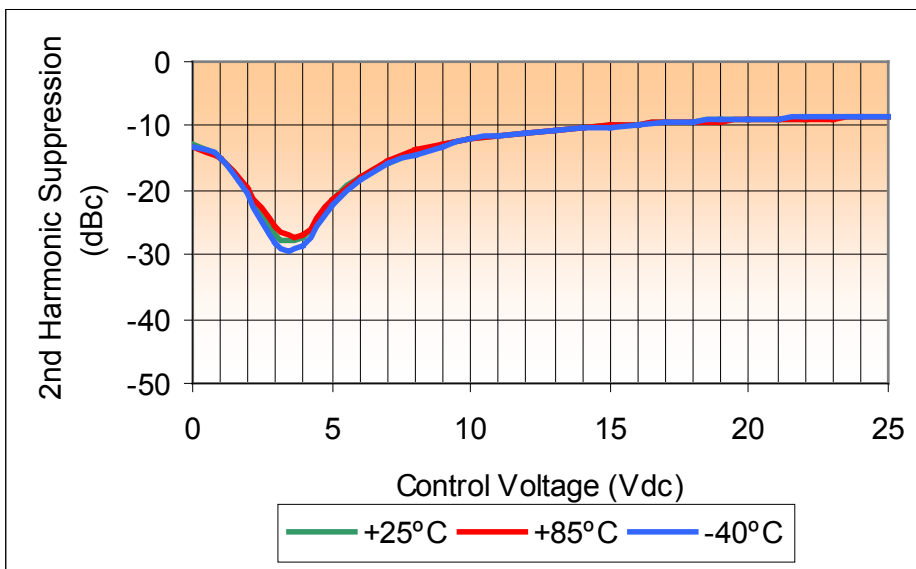
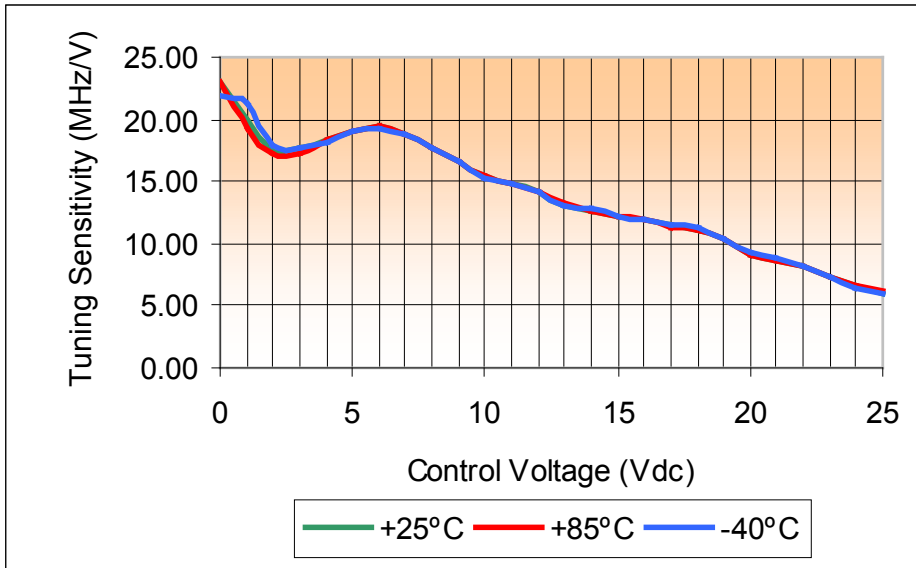
This product is manufactured under one or more of the following patents: Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591 | Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834; 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787

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