

# VOLTAGE CONTROLLED OSCILLATOR

查询"DCMO60170-5"供应商

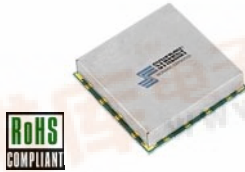
## SURFACE MOUNT MODEL: DCMO60170-5

WIDE BANDWIDTH

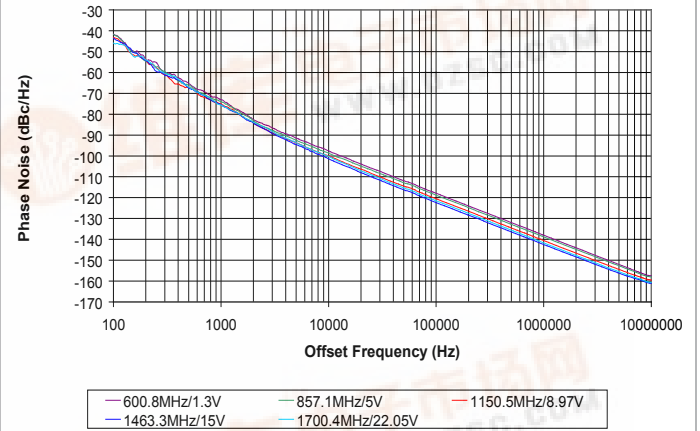
600 - 1700 MHz

### FEATURES:

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



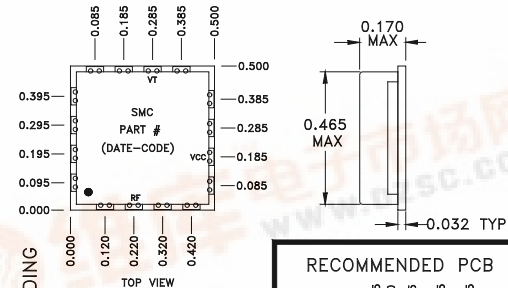
### Phase Noise



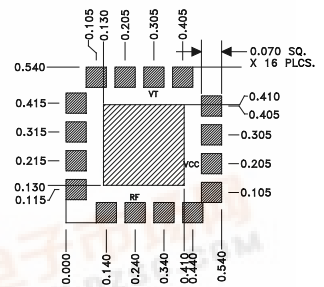
### SPECIFICATIONS (Rev. G 07/03/07)

Frequency	600 - 1700 MHz
Tuning Voltage (Full Band)	See table below.
Bias Voltage	+5 VDC @ 40 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	25 - 80 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	12 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	5 MHz/V (Typ.)
Phase Noise @ 10 kHz	-100 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Package # 278LF



### RECOMMENDED PCB LAYOUT



OPTIONAL SOLDER AREA FOR HIGH VIBRATION ENVIRONMENT

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

### Guaranteed Tuning Specifications

Tuning Voltage ( V )	Frequency ( MHz )
0.5	600 (Max.)
5	780 (Min.)
8	1025 (Min.)
12	1270 (Min.)
15	1430 (Min.)
18	1540 (Min.)
25	1700 (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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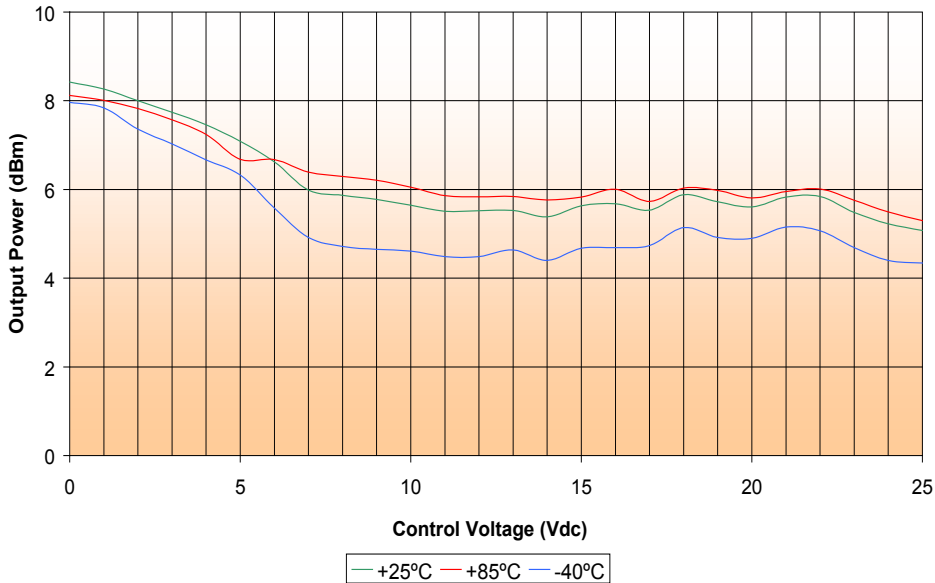
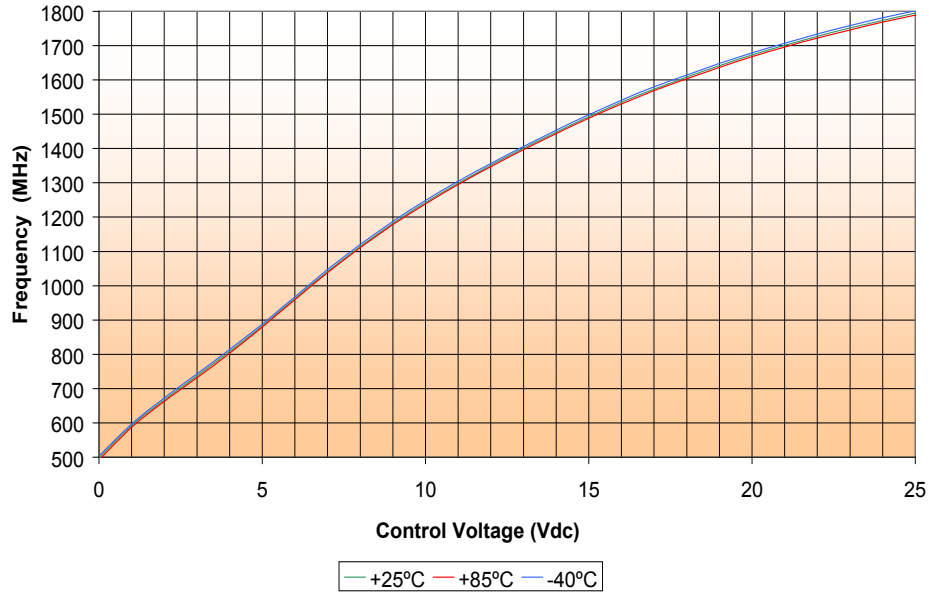
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PERFORMANCE PLOTS



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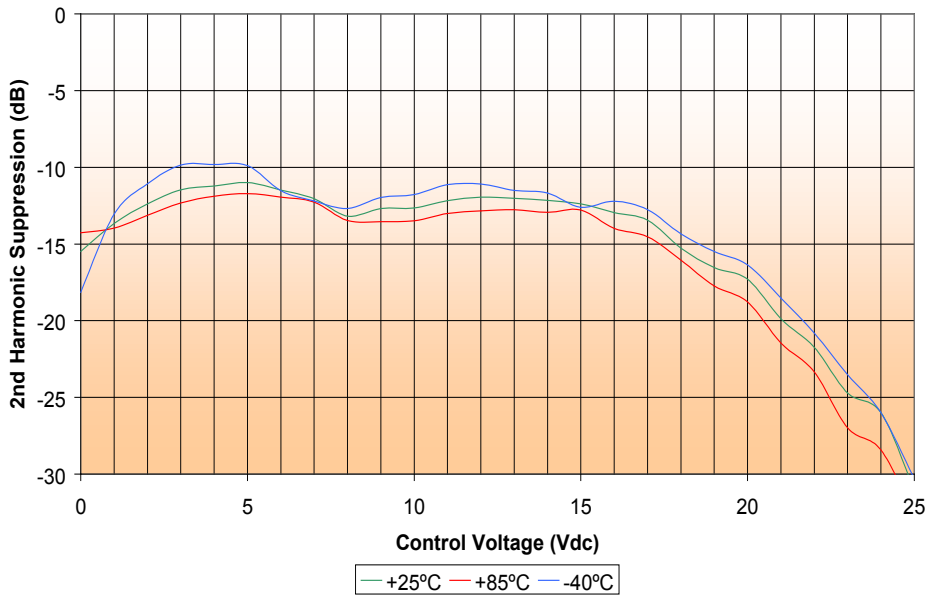
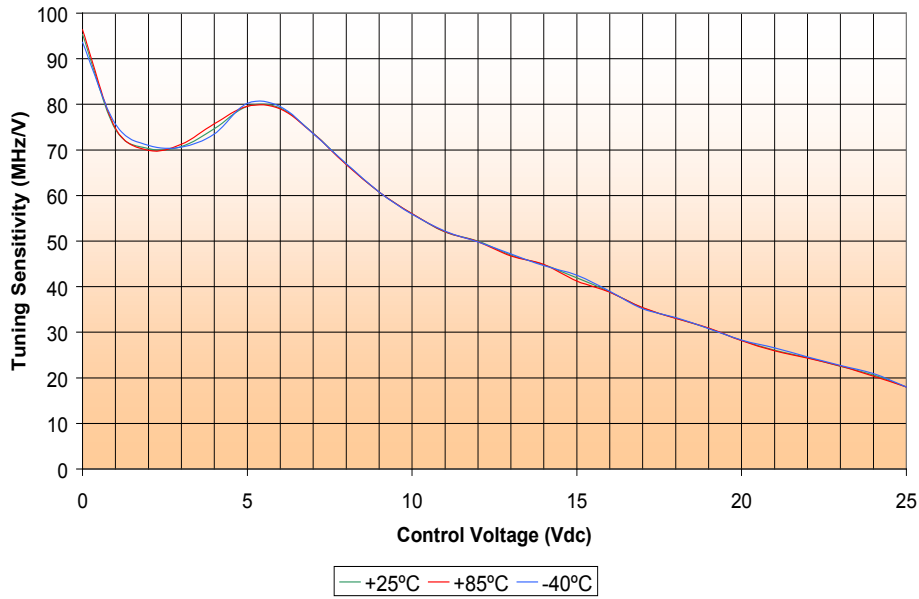
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