

VOLTAGE CONTROLLED OSCILLATOR

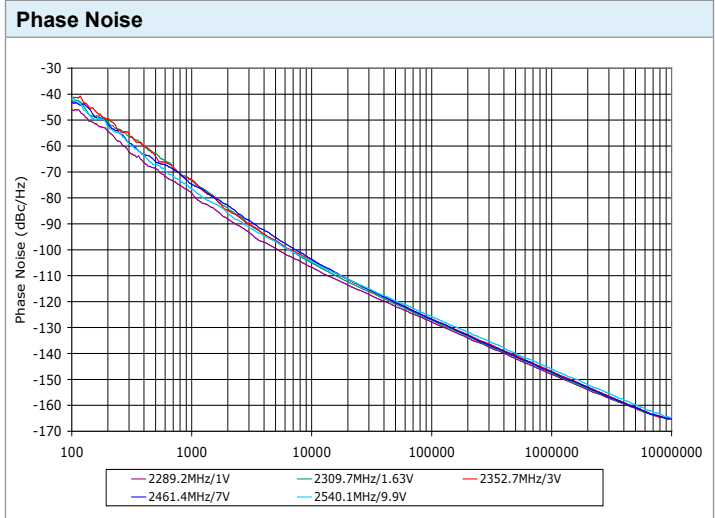
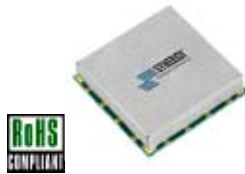
SURFACE MOUNT MODEL: DCRO230253-10

OPTIMIZED BANDWIDTH

2300 - 2530 MHz

FEATURES:

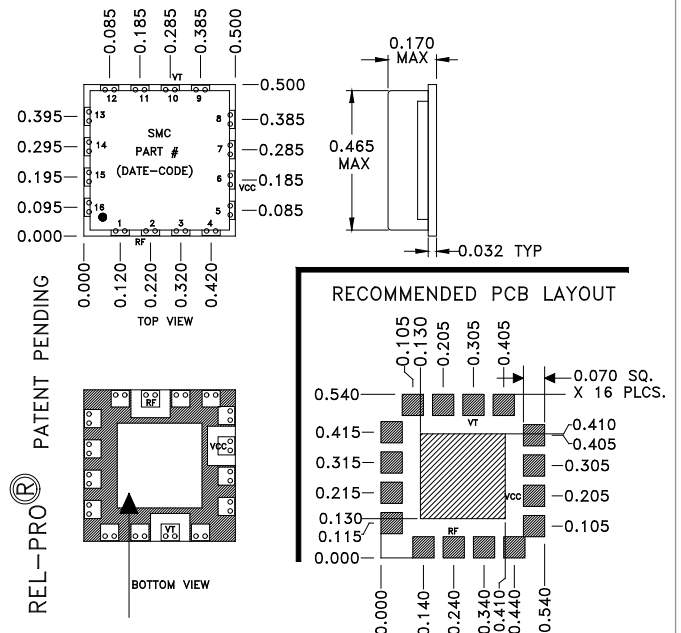
- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free REL-PRO® Technology



SPECIFICATIONS (Rev. D 12/20/07)

Frequency	2300 - 2530 MHz
Tuning Voltage (Full Band)	0.5 - 12 VDC
Bias Voltage	+10 VDC @ 35 mA (Max)
Output Power	+5 dBm (Min)
Tuning Sensitivity	25 - 35 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	15 dB (Typ)
Frequency Pulling	8 MHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	5 MHz/V (Typ)
Phase Noise @ 10 kHz	-104 dBc/Hz (Typ)
Operating Temperature Range	-40 to +85 °C

Package # 278LF



Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	2300 (Max)
5	2350 (Min)
8	2430 (Min)
12	2530 (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; 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



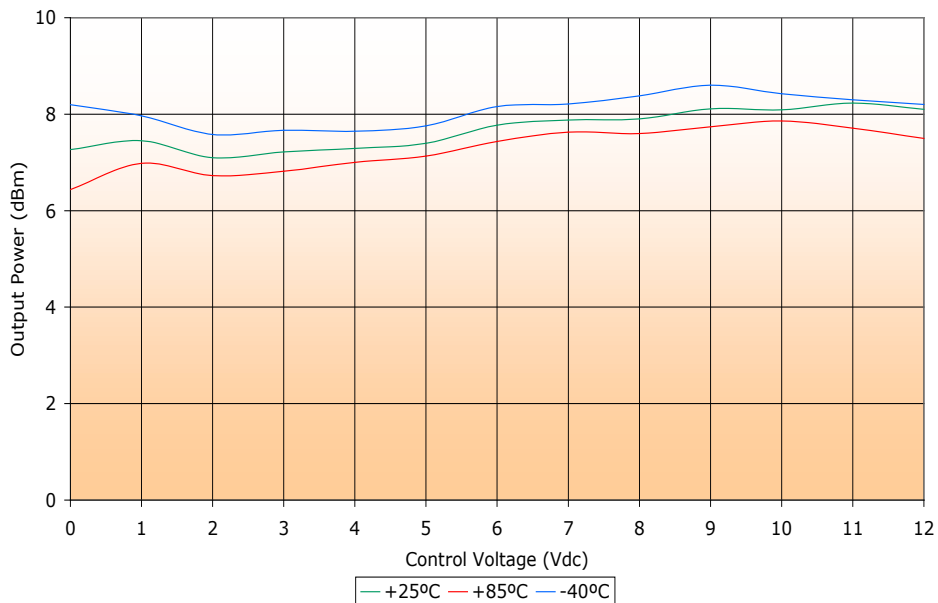
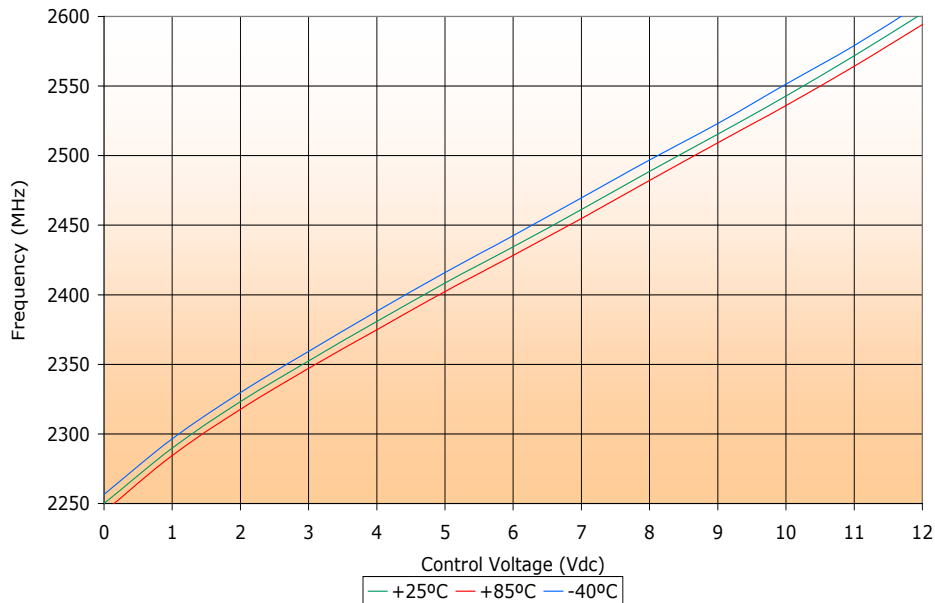
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PERFORMANCE PLOTS



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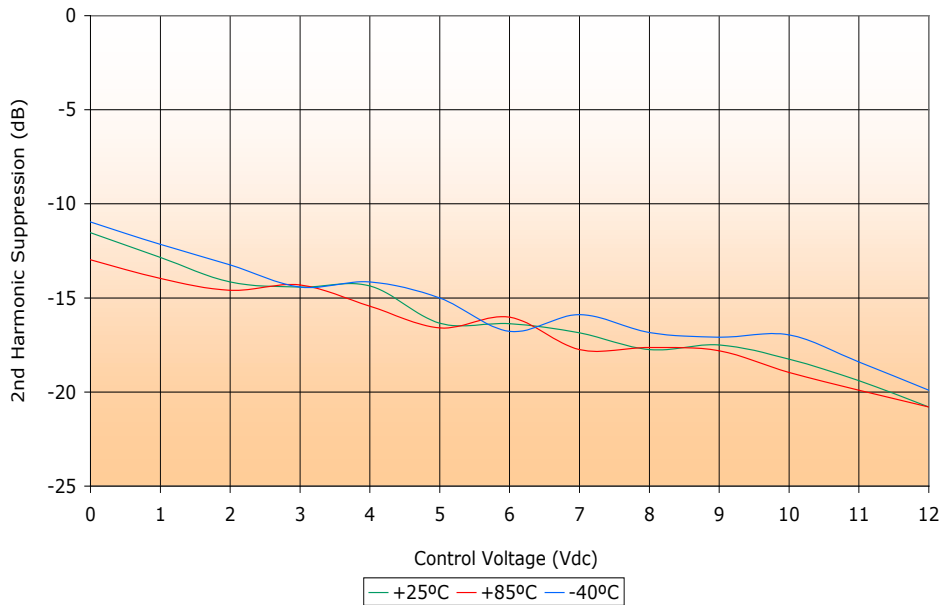
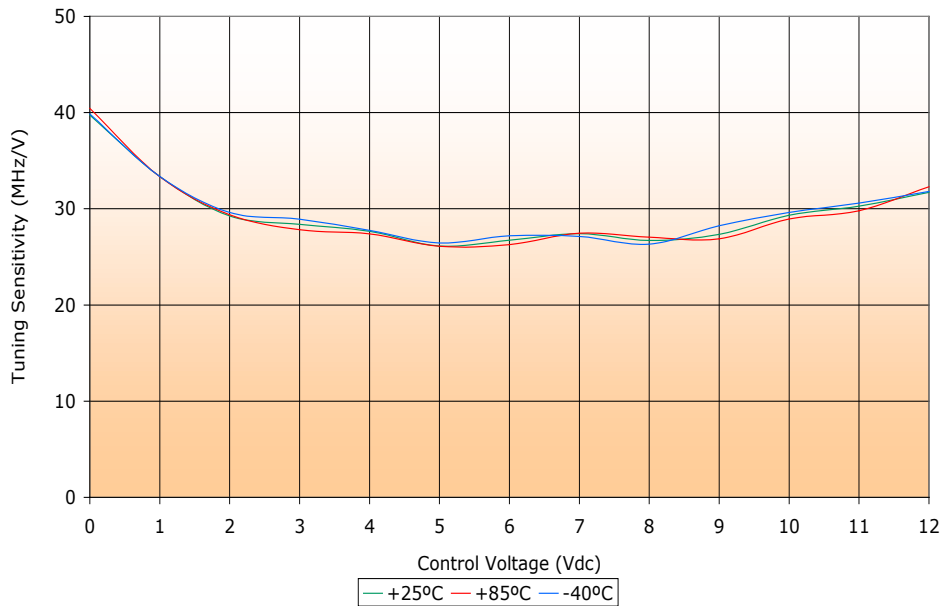


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCRO230253-10

OPTIMIZED BANDWIDTH

2300 - 2530 MHz

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