

VOLTAGE CONTROLLED OSCILLATOR

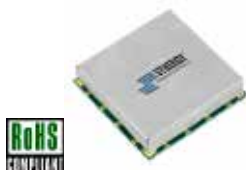
SURFACE MOUNT MODEL: DCRO196202-5

OPTIMIZED BANDWIDTH

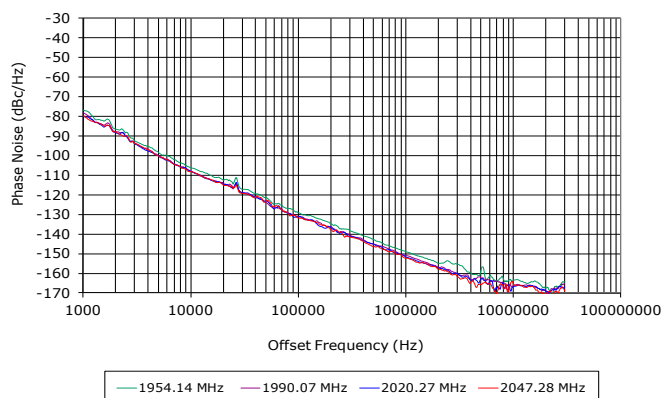
1960 - 2040 MHz

FEATURES:

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



Phase Noise



SPECIFICATIONS

Frequency	1960 - 2040 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 26 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	25 - 38 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	22 dB (Typ.)
Frequency Pulling	6 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	1.9 MHz/V (Typ.)
Tuning Port Capacitance	40 pF (Typ.)
Phase Noise @ 10 kHz	-108 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

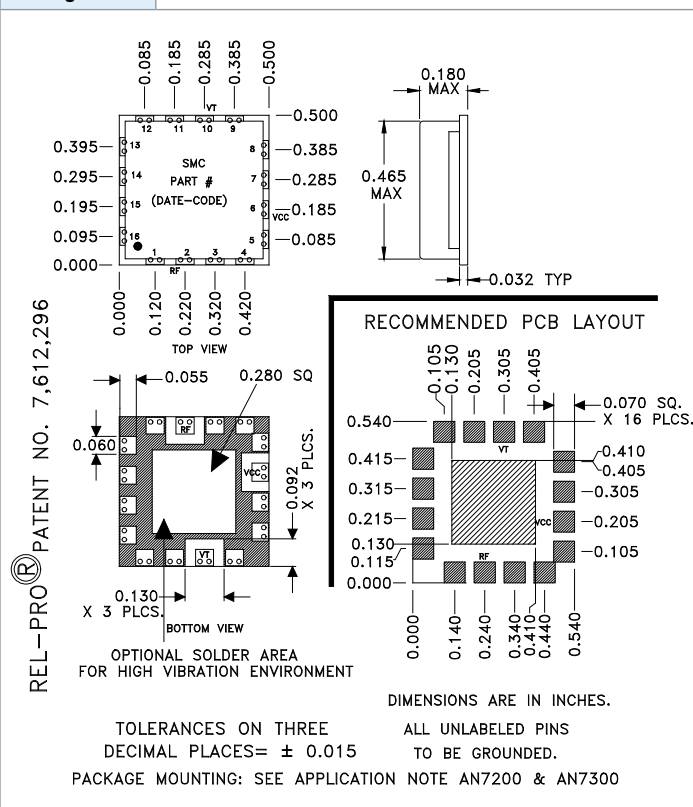
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	1960 (Max)
5	2040 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+10 V
DC Voltage Applied to RF Out	±25 V

Package # 278LF



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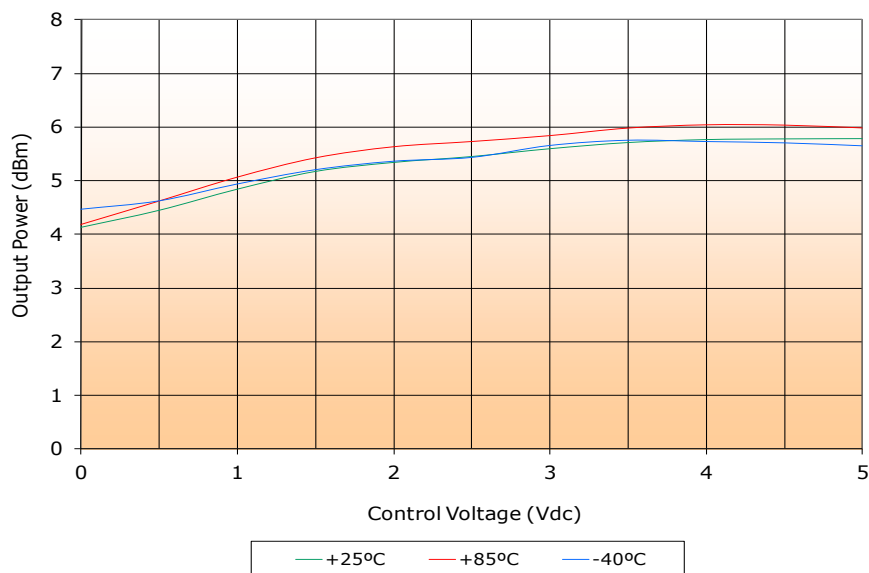
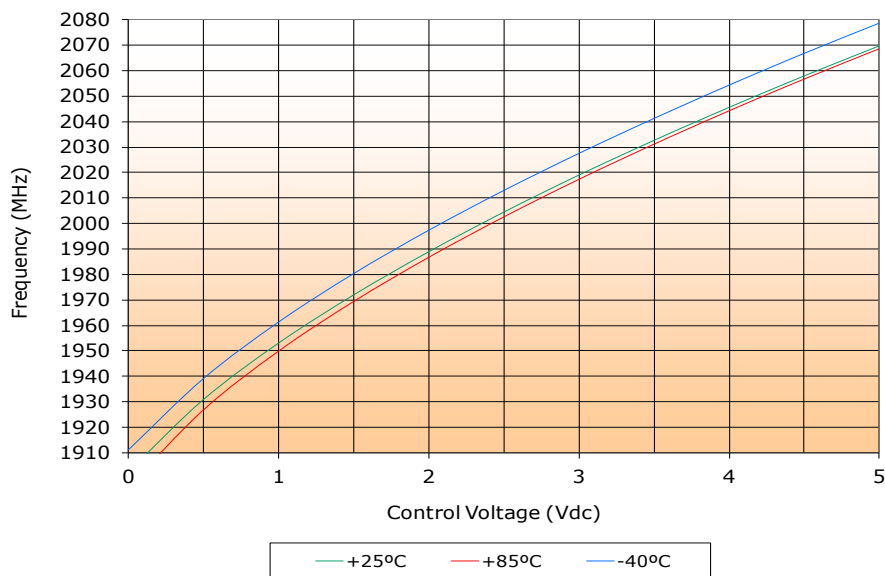
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PERFORMANCE PLOTS



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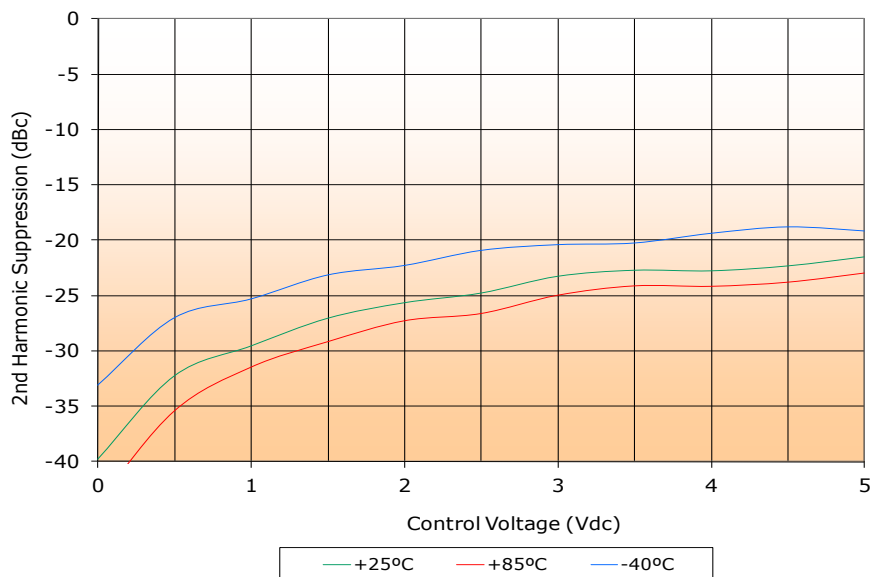
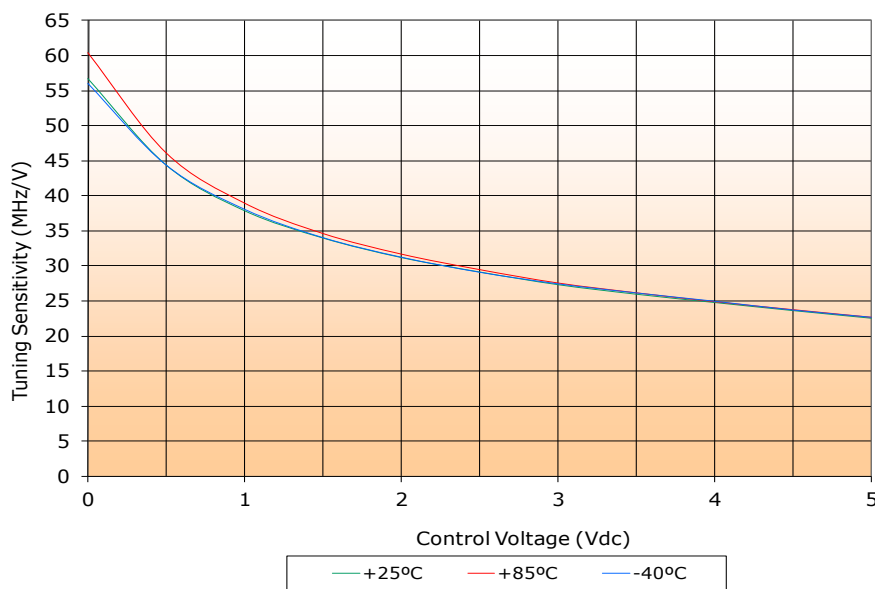
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