

# VOLTAGE CONTROLLED OSCILLATOR

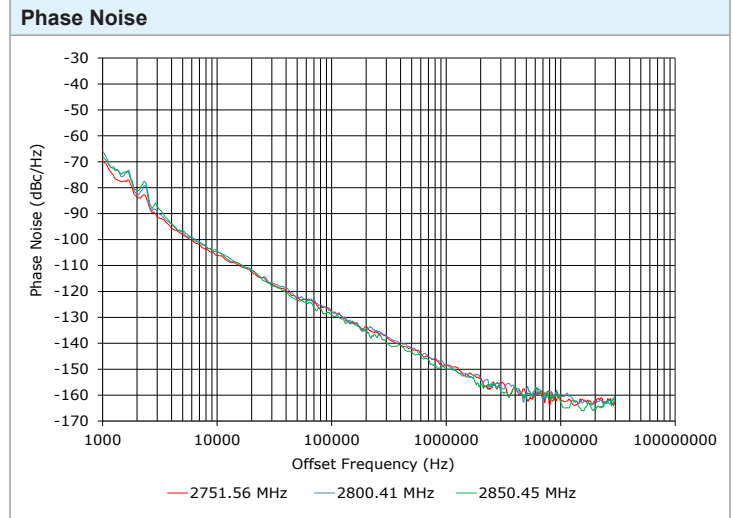
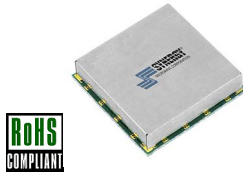
## SURFACE MOUNT MODEL: DCRO275285-5

OPTIMIZED BANDWIDTH

2750 - 2850 MHz

**FEATURES:**

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



**SPECIFICATIONS (Rev. A 11/17/17)**

Frequency	2750 - 2850 MHz
Tuning Voltage (Full Band)	See table below.
Bias Voltage	+5 VDC @ 42 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	35 - 45 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	18 dB (Typ.)
Frequency Pulling	1 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	1 MHz/V (Typ.)
Tuning Port Capacitance	35 pF (Typ.)
Phase Noise @ 10 kHz	-105 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

**Guaranteed Tuning Specifications**

Tuning Voltage ( V )	Frequency ( MHz )
0.5	2750 (Max)
4.5	2850 (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

REL-PRO® PATENT NO. 7,612,296

OPTIONAL SOLDER AREA FOR HIGH VIBRATION ENVIRONMENT

DIMENSIONS ARE IN INCHES.

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

ALL UNLABELED PINS TO BE GROUNDING.

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7300

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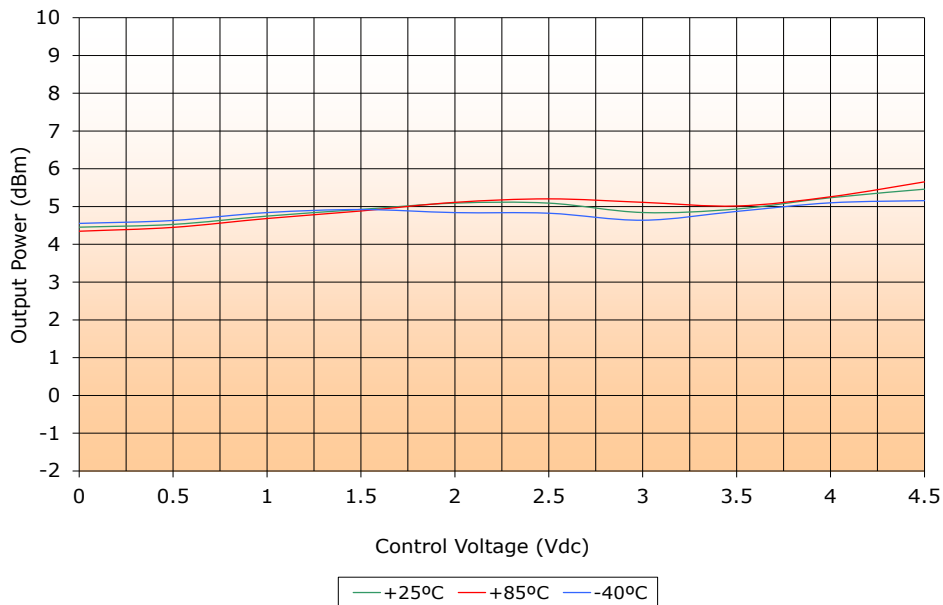
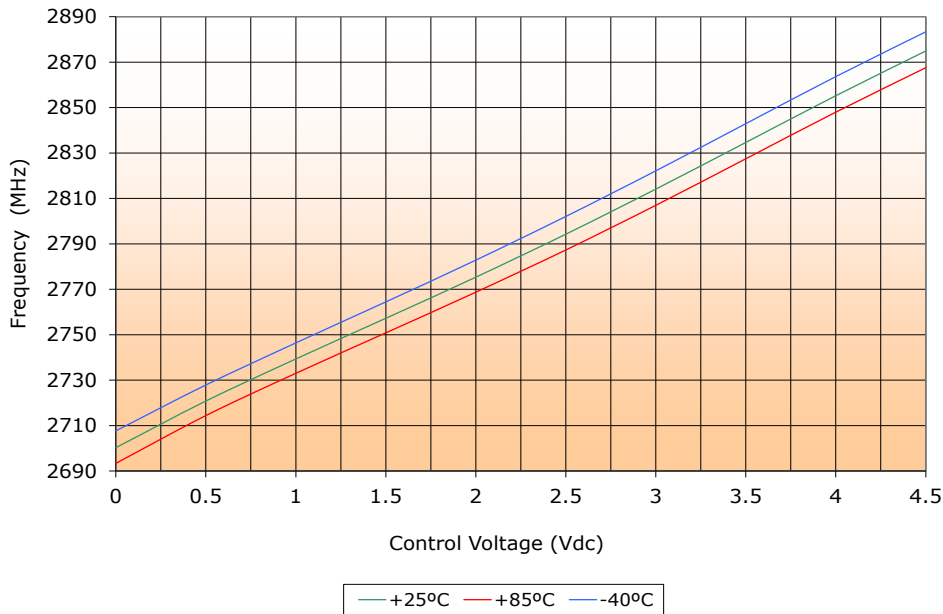


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