

VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCRO330500-5

OPTIMIZED BANDWIDTH

3300 - 5000 MHz

FEATURES:

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



SPECIFICATIONS (Rev. D 09/10/15)

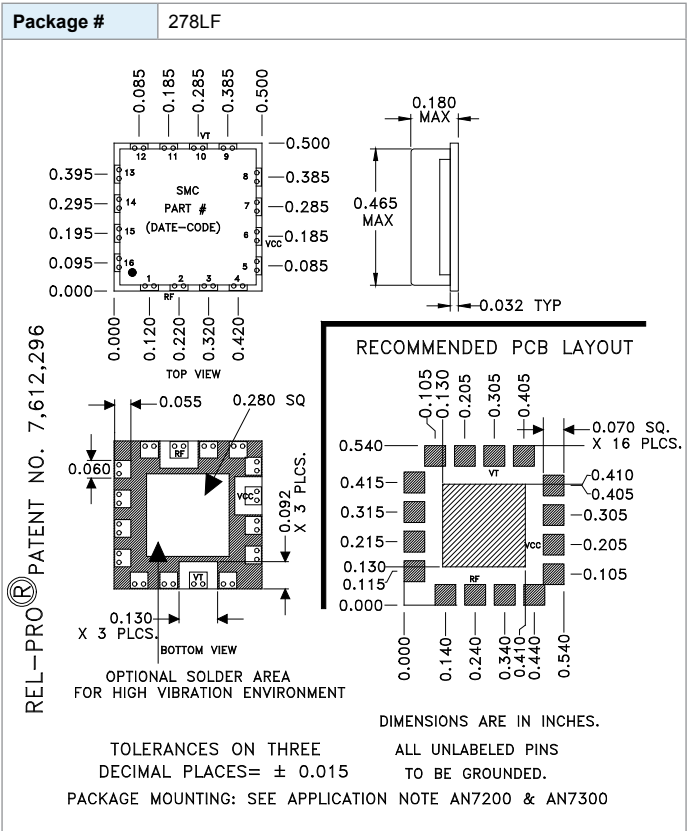
Frequency	3300 - 5000 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 53 mA (Max.)
Output Power	0 dBm (Min.)
Tuning Sensitivity	60 - 130 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	12 dB (Typ.)
Frequency Pulling	14 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Typ.)
Tuning Port Capacitance	30 pF (Typ.)
Phase Noise @ 10 kHz	-84 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3300 (Max.)
5	3485 (Min.)
8	3870 (Min.)
12	4300 (Min.)
15	4580 (Min.)
20	5000 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+30 V
DC Voltage Applied to RF Out	± 25 V



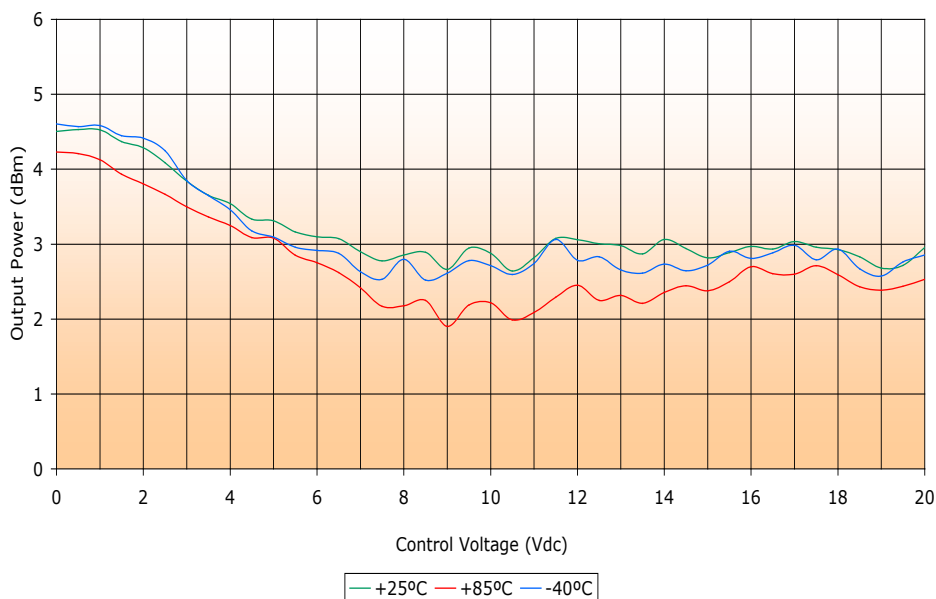
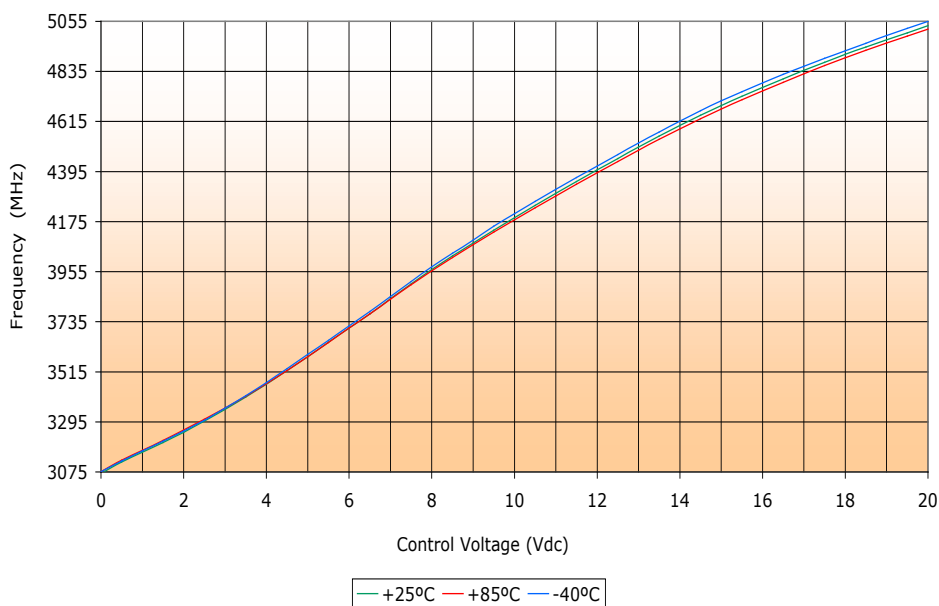
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