

VOLTAGE CONTROLLED OSCILLATOR

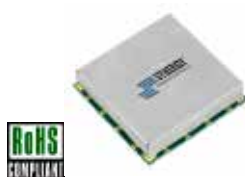
SURFACE MOUNT MODEL: DCYS250500-5

WIDE BANDWIDTH

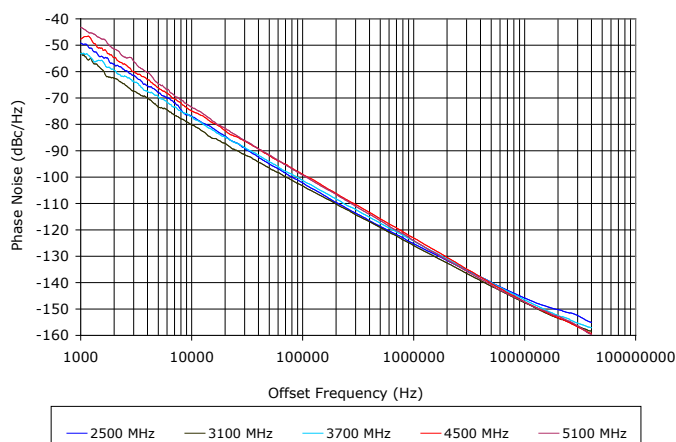
2500 - 5000 MHz

FEATURES:

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



Phase Noise



SPECIFICATIONS (Rev. L 08/05/14)

Frequency	2500 - 5000 MHz
Tuning Voltage (Full Band)	See table below.
Bias Voltage	+5 VDC @ 55 mA (Max.)
Output Power	3 dBm (Min.)
Tuning Sensitivity	85 - 340 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	15 dB (Typ.)
Frequency Pulling	16 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	8 MHz/V (Typ.)
Tuning Port Capacitance	40 pF (Typ.)
Phase Noise @ 10 kHz	-78 dBc/Hz (Typ.)
Operating Temperature Range	-20 to +85 °C

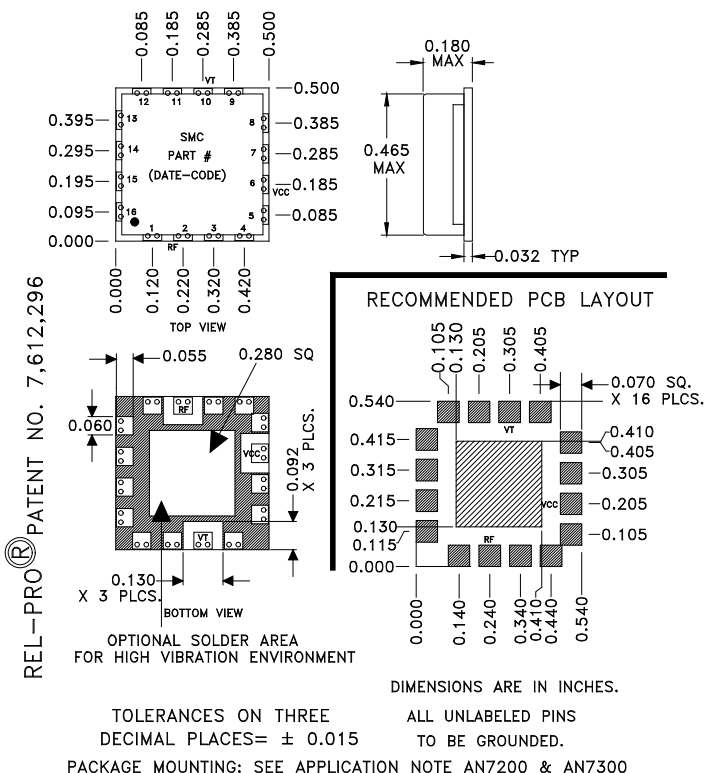
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.3	2500 (Max.)
5	3250 (Min.)
8	4000 (Min.)
12	4700 (Min.)
14	5000 (Min.)

Absolute Maximum Ratings

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

Package # 278LF



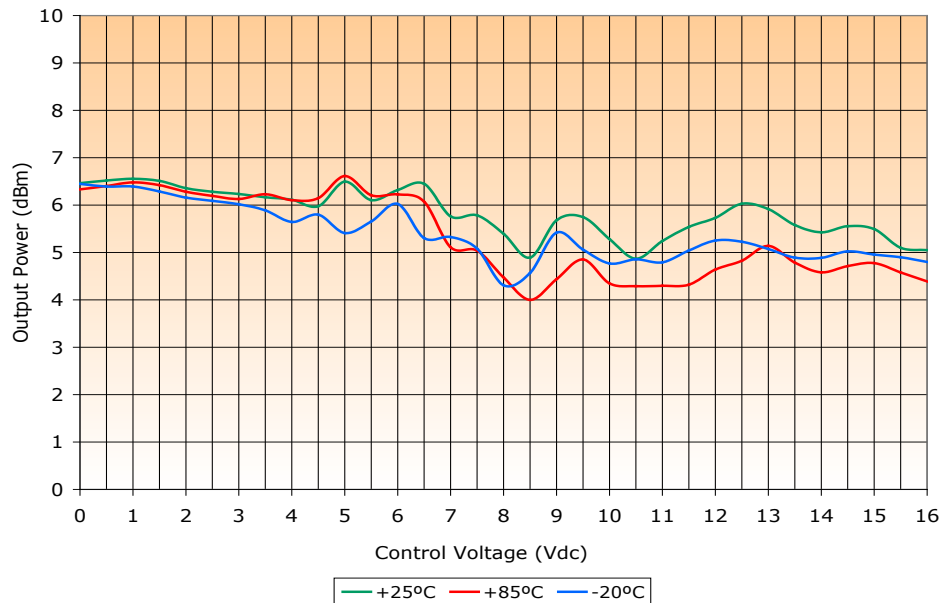
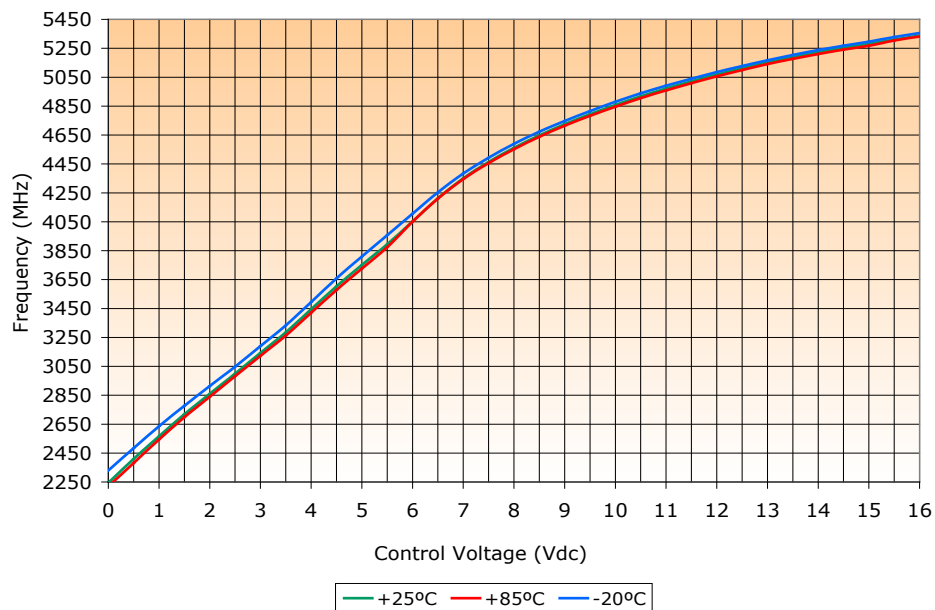
VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCYS250500-5

WIDE BANDWIDTH

2500 - 5000 MHz

PERFORMANCE PLOTS



VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCYS250500-5

WIDE BANDWIDTH

2500 - 5000 MHz

PERFORMANCE PLOTS

