

VOLTAGE CONTROLLED OSCILLATOR

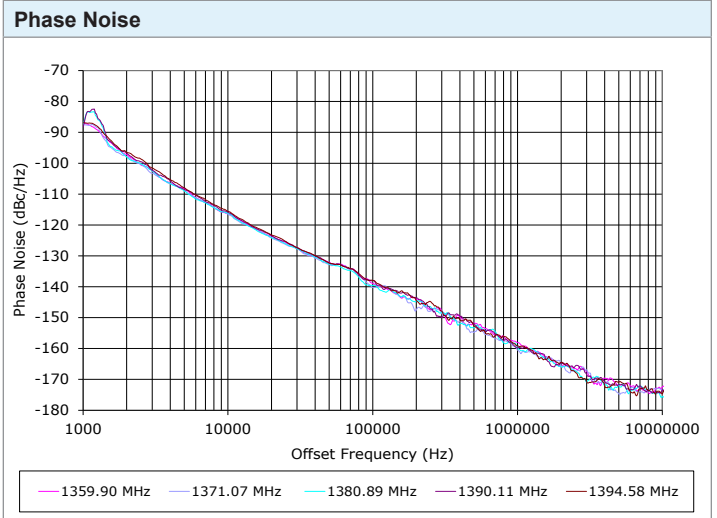
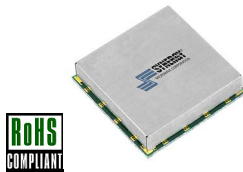
SURFACE MOUNT MODEL: DCRO136138-10

OPTIMIZED BANDWIDTH

1360 - 1380 MHz

FEATURES:

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



SPECIFICATIONS (Rev. A 05/25/17)

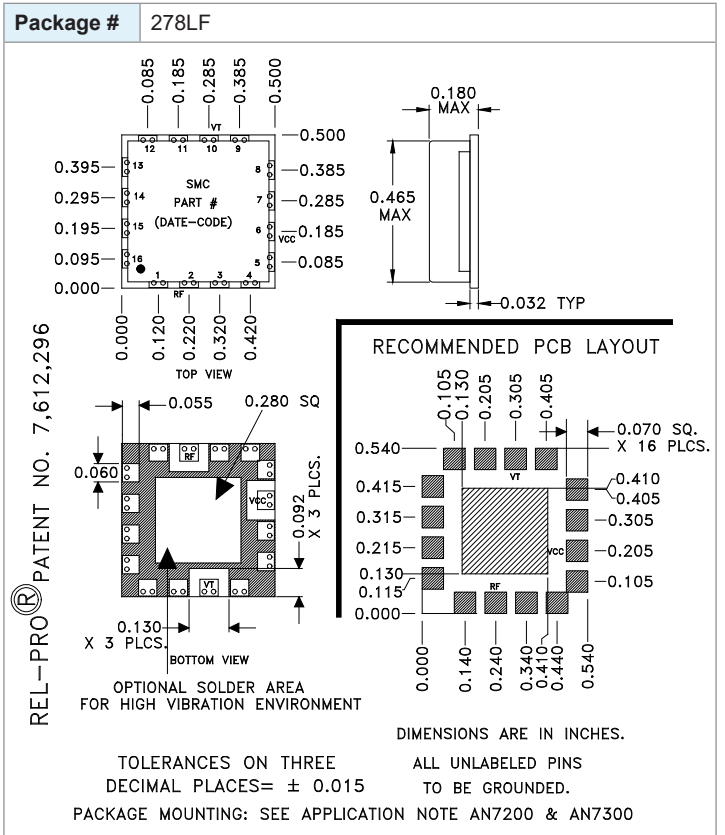
Frequency	1360 - 1380 MHz
Tuning Voltage (Full Band)	See table below
Bias Voltage	+10 VDC @ 30mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	12 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	17 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Typ.)
Phase Noise @ 10 kHz	-116 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	1360 (Max.)
4.5	1380 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+10.5 V
Tuning Voltage	+16 V
DC Voltage Applied to RF Out	±25 V



Copyright © Synergy Microwave Corporation
 201 McLean Boulevard • Paterson, New Jersey 07504 USA
 Tel: (973) 881-8800 • Fax: (973) 881-8361
 E-Mail: sales@synergymwave.com • Website: http://www.synergymwave.com
 Patents : http://www.synergymwave.com/patents

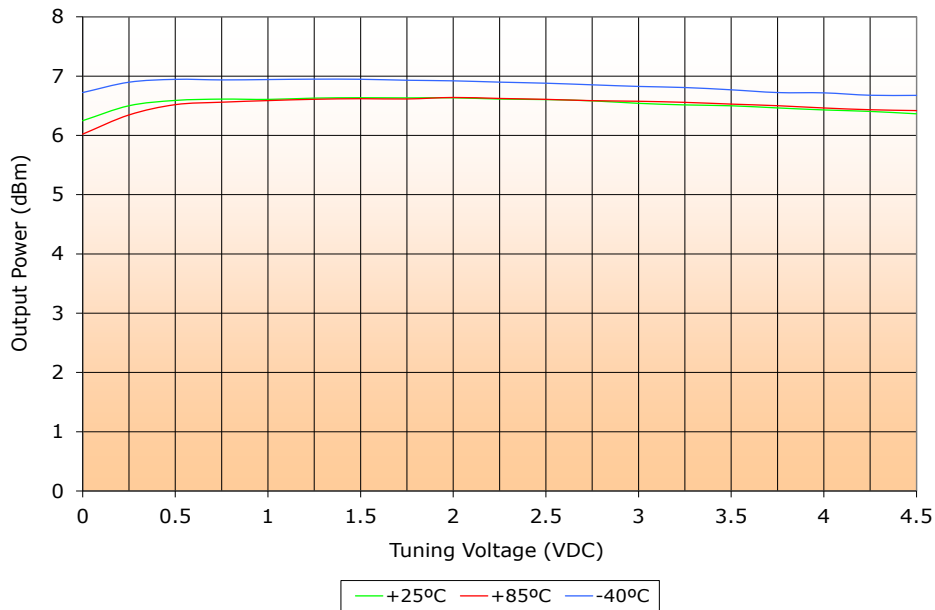
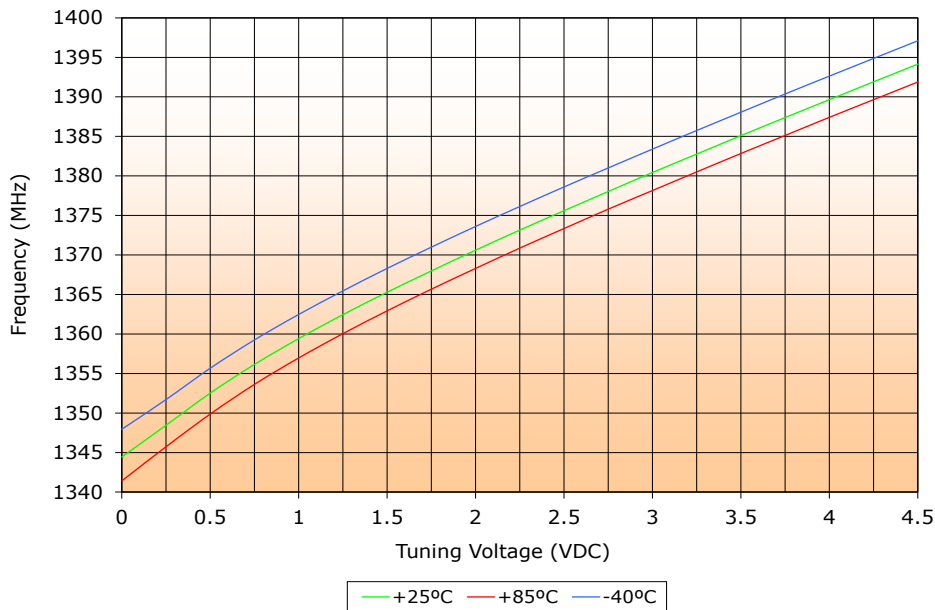


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCRO136138-10

OPTIMIZED BANDWIDTH

1360 - 1380 MHz

PERFORMANCE PLOTS



VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCRO136138-10

OPTIMIZED BANDWIDTH

1360 - 1380 MHz

PERFORMANCE PLOTS

