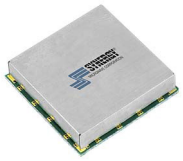
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCSR4143-8

OPTIMIZED FREQUENCY 415 - 435 MHz

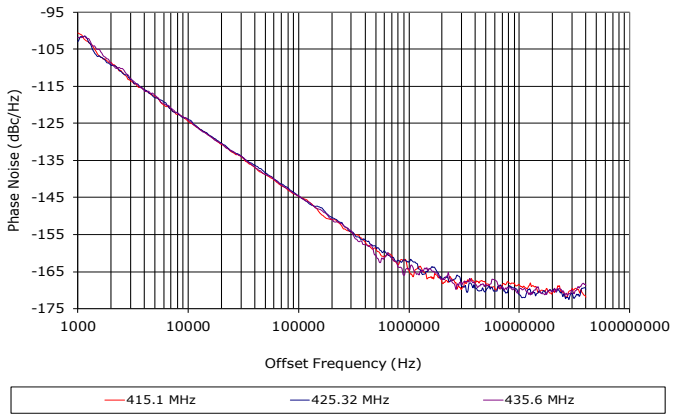
FEATURES:

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



RoHS COMPLIANT

Phase Noise



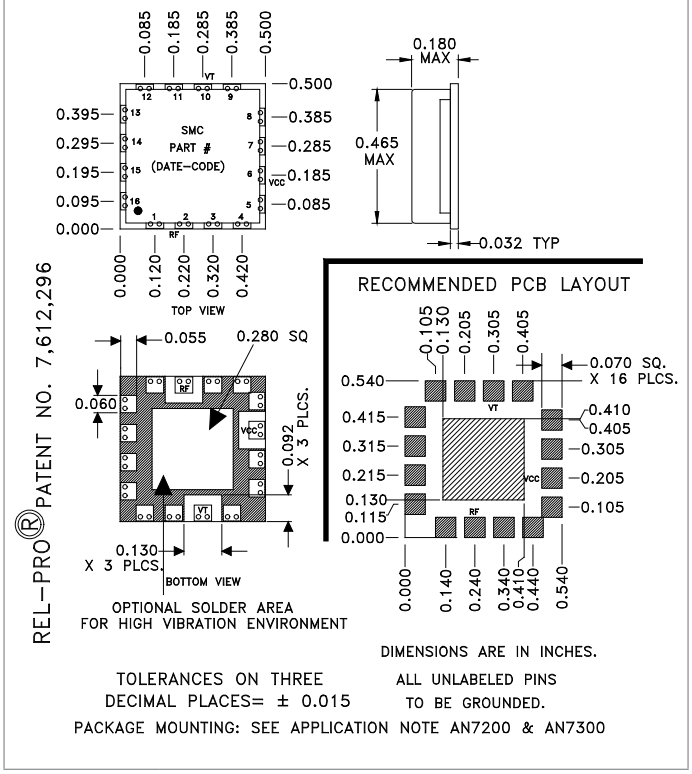
SPECIFICATIONS

Frequency	415 - 435 MHz
Tuning Voltage	0.5 - 15 VDC
Bias Voltage	+8 VDC @ 35 mA (Max.)
Output Power	+5 dBm (Min.)
Tuning Sensitivity	5 - 9 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	10 dB (Typ.)
Frequency Pulling	1 MHz (Typ. @ 2.0:1 VSWR)
Frequency Pushing	1 MHz/V (Typ.)
Tuning Port Capacitance	50 pF (Typ.)
Phase Noise @ 10 kHz	-123 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 ºC
Bias Voltage	+8.5 V
Tuning Voltage	+15 V
DC Voltage Applied to RF Out	± 25 V

Package # 278LF



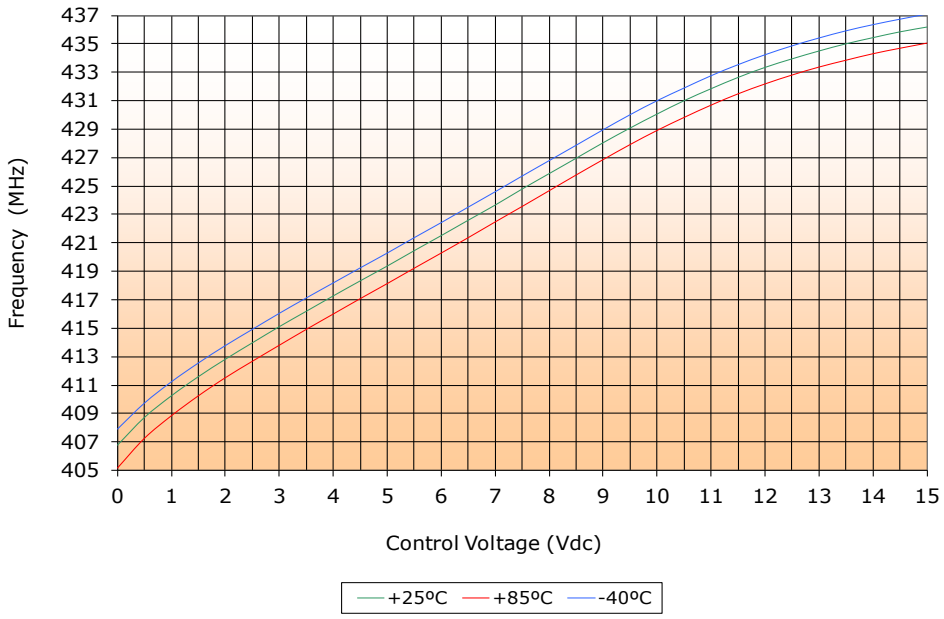
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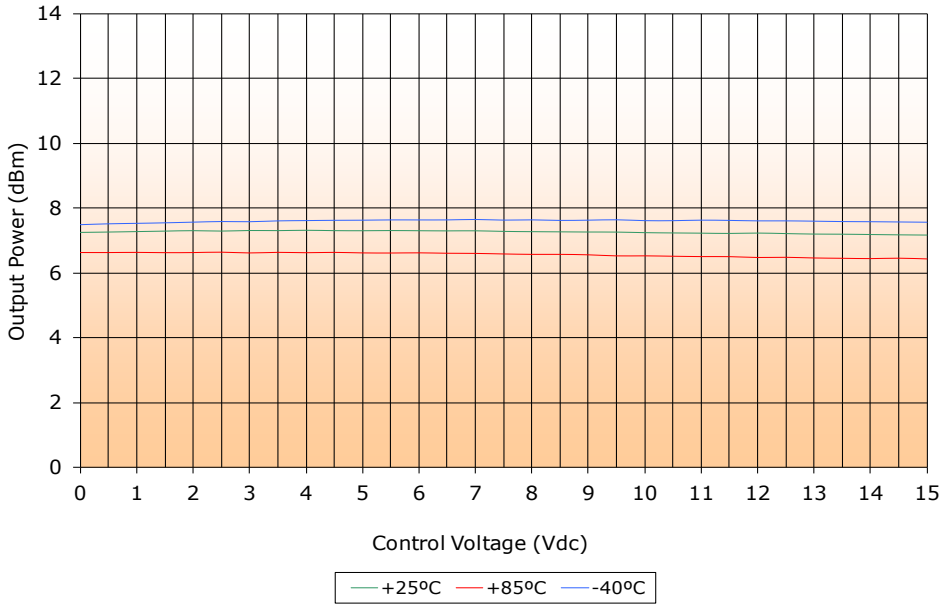
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCSR4143-8

OPTIMIZED FREQUENCY 415 - 435 MHz

PERFORMANCE PLOTS





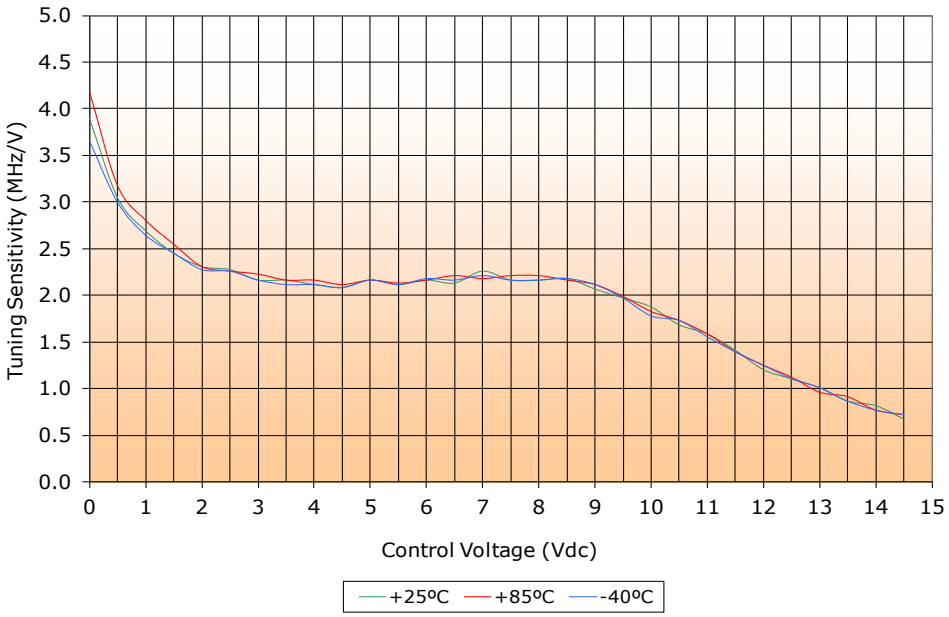
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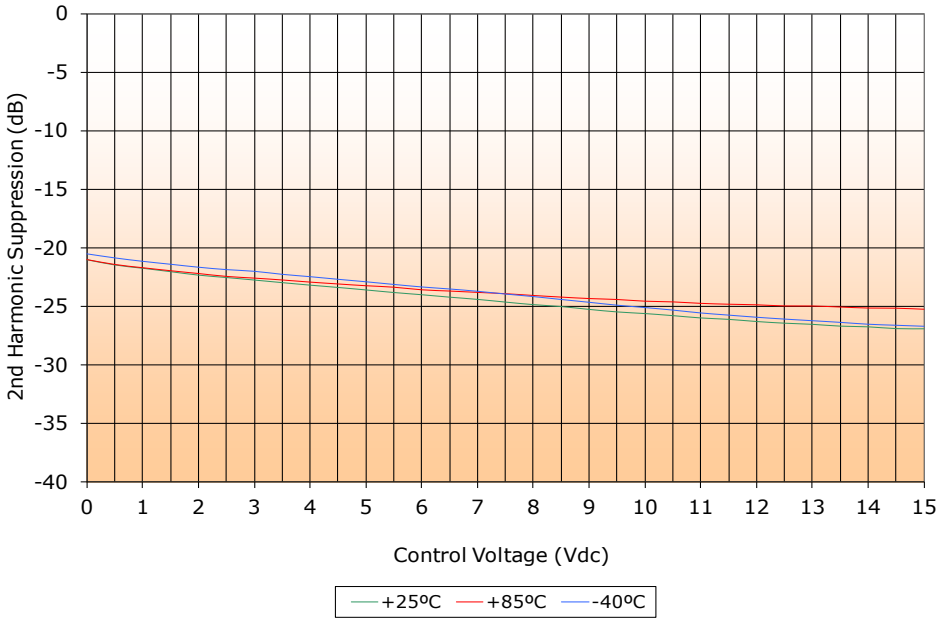
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OPTIMIZED FREQUENCY 415 - 435 MHz

PERFORMANCE PLOTS





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