

VOLTAGE CONTROLLED OSCILLATOR

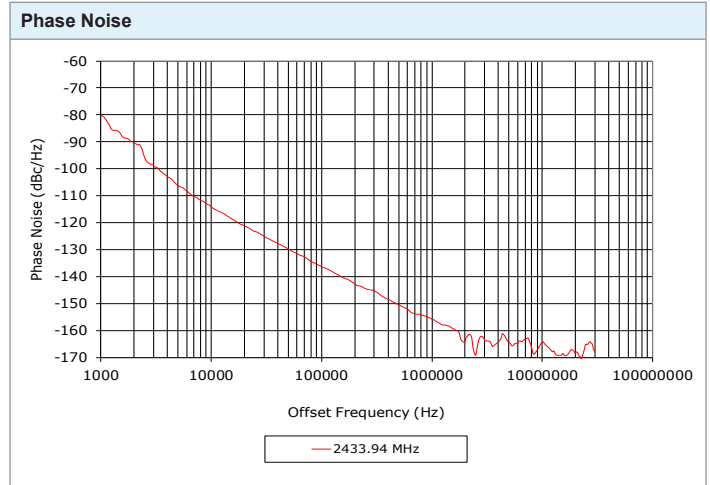
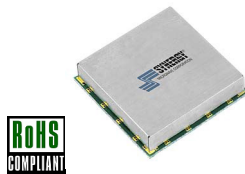
SURFACE MOUNT MODEL: DCSR2430-8

OPTIMIZED FREQUENCY

2430 MHz

FEATURES:

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

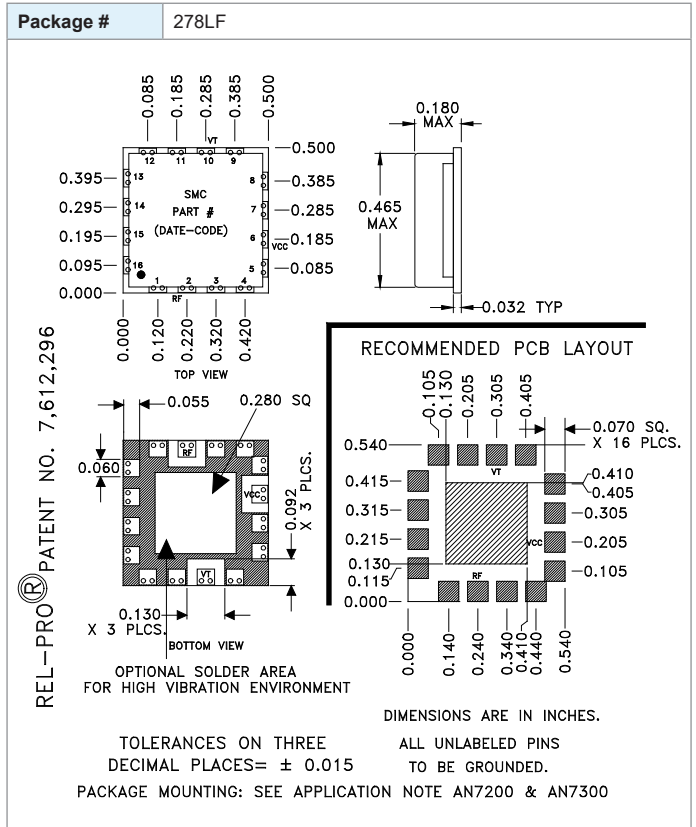


SPECIFICATIONS

Frequency	2430 MHz
Tuning Voltage	0.5 - 6 VDC
Bias Voltage	+8 VDC @ 33 mA (Max.)
Output Power	0 dBm (Min.)
Tuning Sensitivity	1.2 - 2.2 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	23 dB (Typ.)
Frequency Pulling	1.0 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	0.8 MHz/V (Typ.)
Tuning Port Capacitance	39 pF (Typ.)
Phase Noise @ 10 kHz	-113 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+8.5 V
Tuning Voltage	+10 V
DC Voltage Applied to RF Out	± 25 V



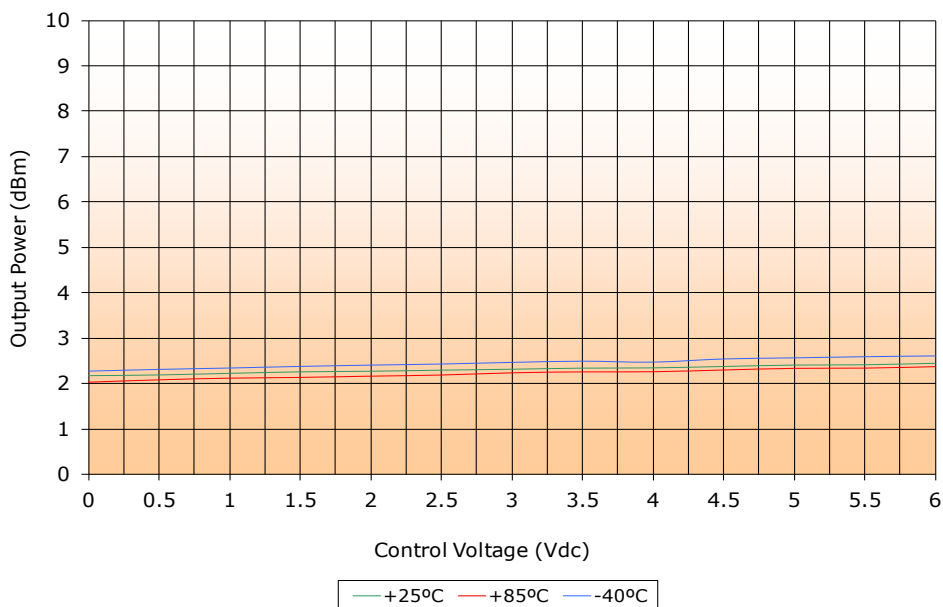
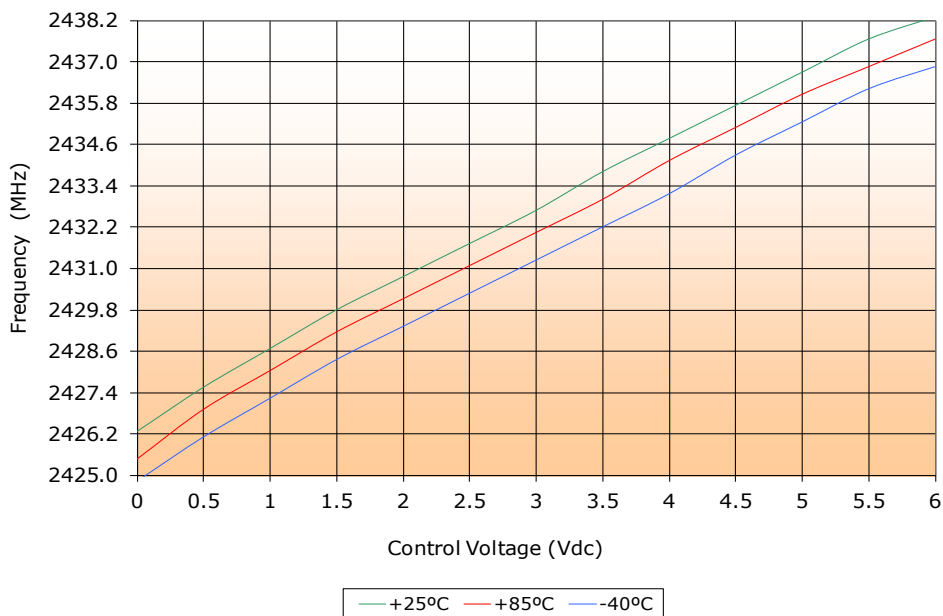
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