

VOLTAGE CONTROLLED OSCILLATOR

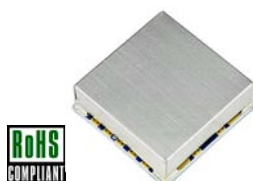
SURFACE MOUNT MODEL: DCSO1300-12

OPTIMIZED CENTER FREQUENCY

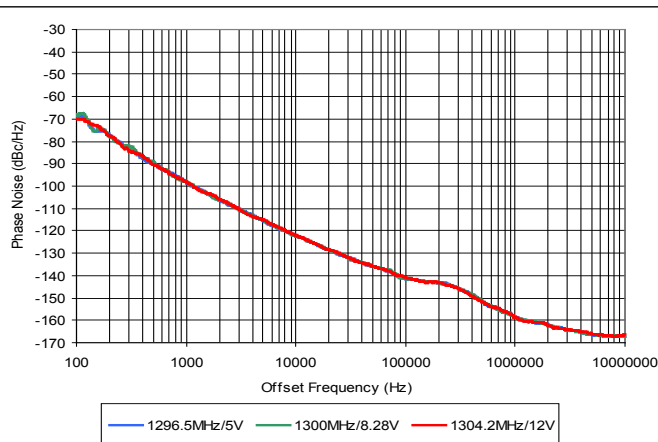
1300 MHz

FEATURES:

- ▶ Highly Immune To Phase Hits
- ▶ Low Phase Noise (SAW Replacement)
- ▶ Tolerant To Supply Variation
- ▶ Fast Tuning
- ▶ Small Size, Surface Mount
- ▶ Lead Free REL-PRO® Technology



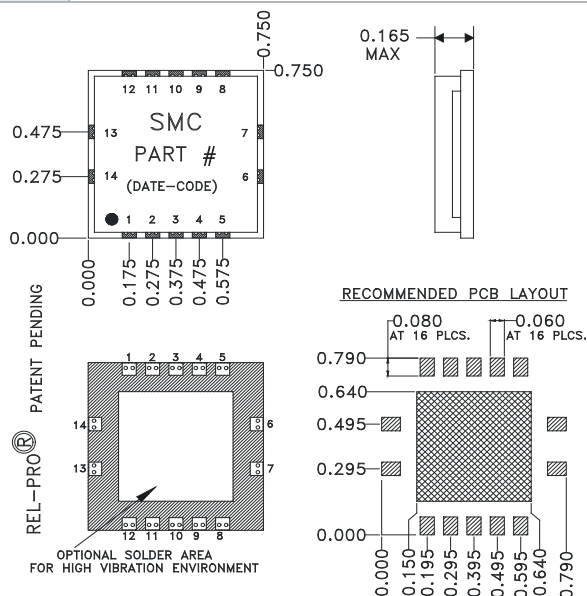
Phase Noise



SPECIFICATIONS

Frequency	1300 MHz
Tuning Voltage	0 - 12 VDC
Bias Voltage	+12 VDC @ 45 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	2 - 4 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	-20 dBc (Max.)
Frequency Pulling	1 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	0.6 MHz/V (Typ.)
Phase Noise @ 10 kHz	-120 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Package # 249LF



CONTACT ASSIGNMENT

Tuning Voltage	2
RF Output	9
DC Supply Input	11
All Others	Ground

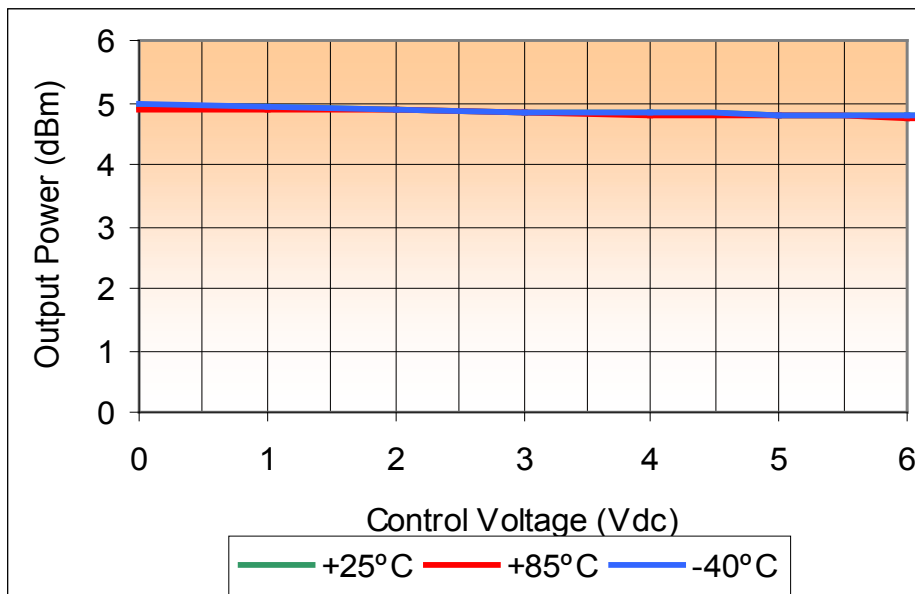
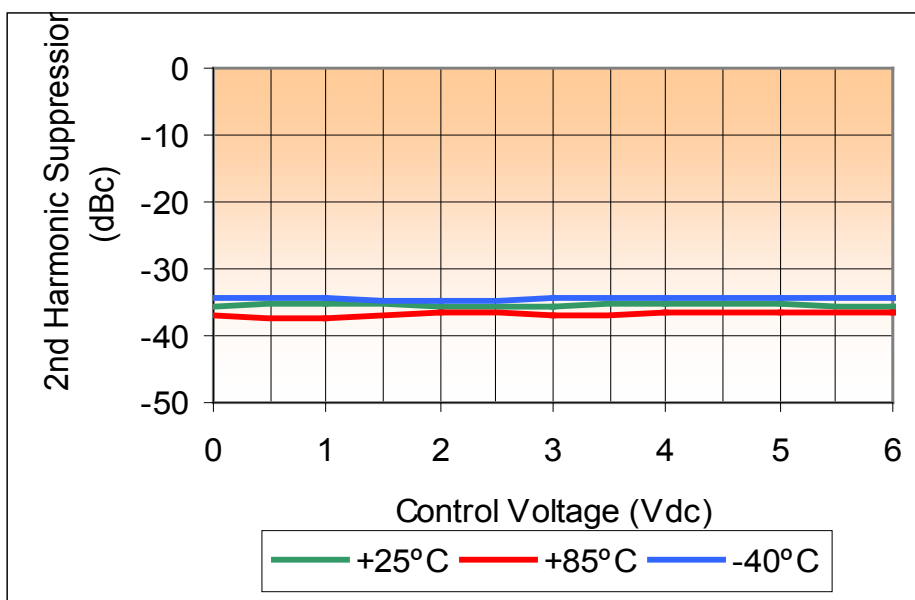
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PERFORMANCE PLOTS



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