

VOLTAGE CONTROLLED OSCILLATOR

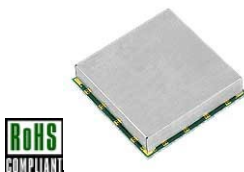
SURFACE MOUNT MODEL: DCMO190410-5

WIDE BANDWIDTH

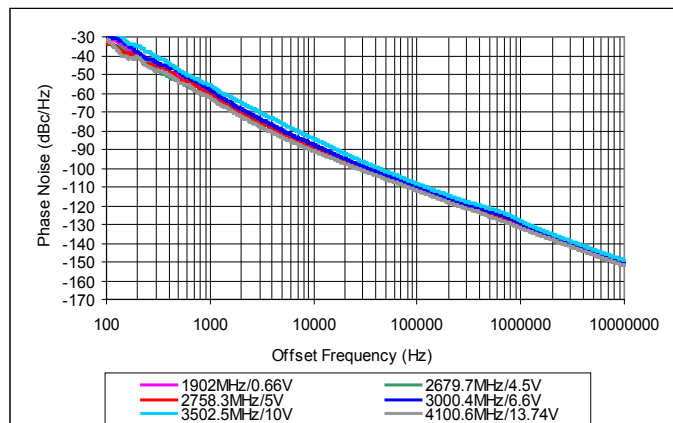
1900 - 4100 MHz

FEATURES:

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



Phase Noise



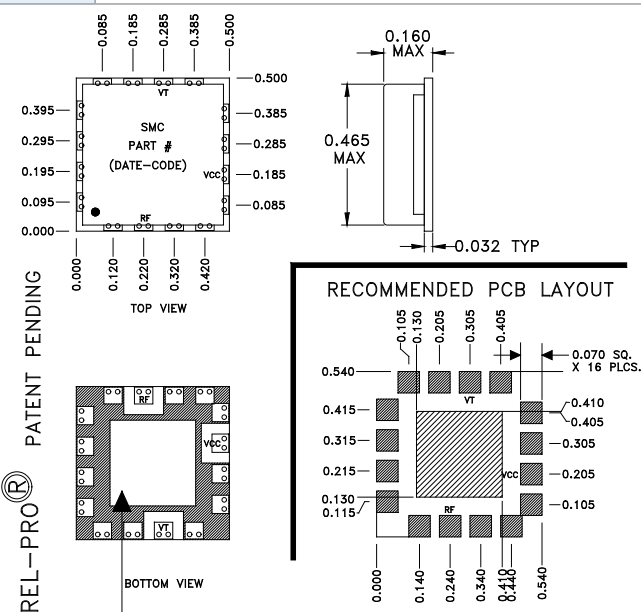
SPECIFICATIONS (Rev. "G" 02/20/06)

Frequency	1900 - 4100 MHz
Tuning Voltage (Full Band)	0 - 15 VDC (Nom)
Bias Voltage	+5 VDC @ 50 mA (Max)
Output Power	+2 dBm (Min)
Tuning Sensitivity	100 - 200 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	10 dBc (Typ)
Frequency Pulling	4 MHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	4 MHz/V (Typ)
Phase Noise @ 10 kHz	-90 dBc/Hz (Typ)
Operating Temperature Range	-20 to +70 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0	1900 (Max)
5	2500 (Min)
8	2950 (Min)
12	3600 (Min)
15	4100 (Min)

Package # 278LF



OPTIONAL SOLDER AREA
FOR HIGH VIBRATION ENVIRONMENT

TOLERANCES ON THREE
DECIMAL PLACES = ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

ALL UNLABELED PINS
TO BE GROUNDED.



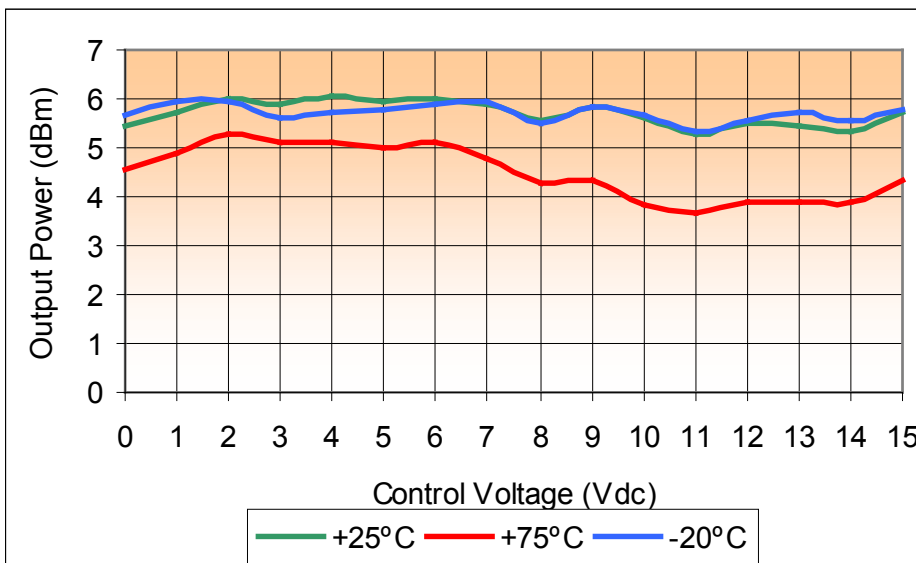
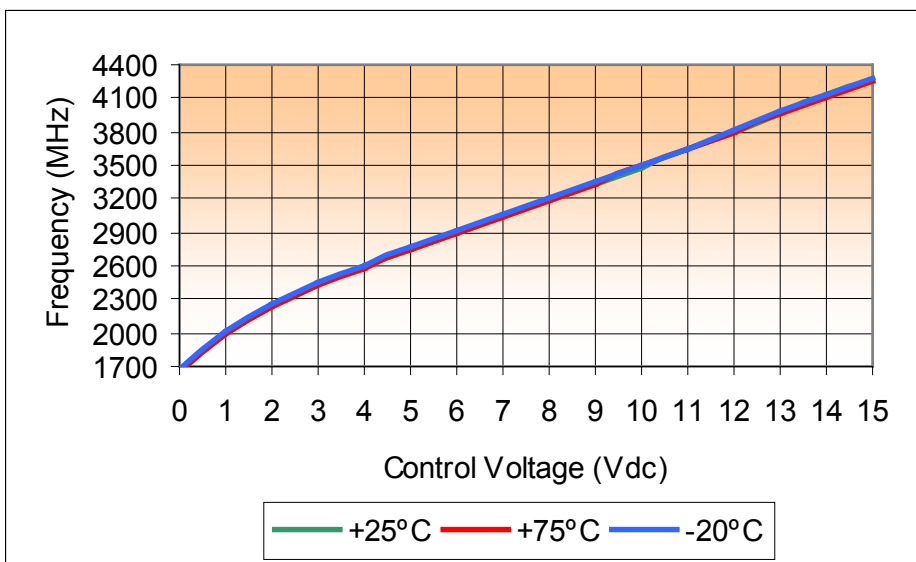
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PERFORMANCE PLOTS



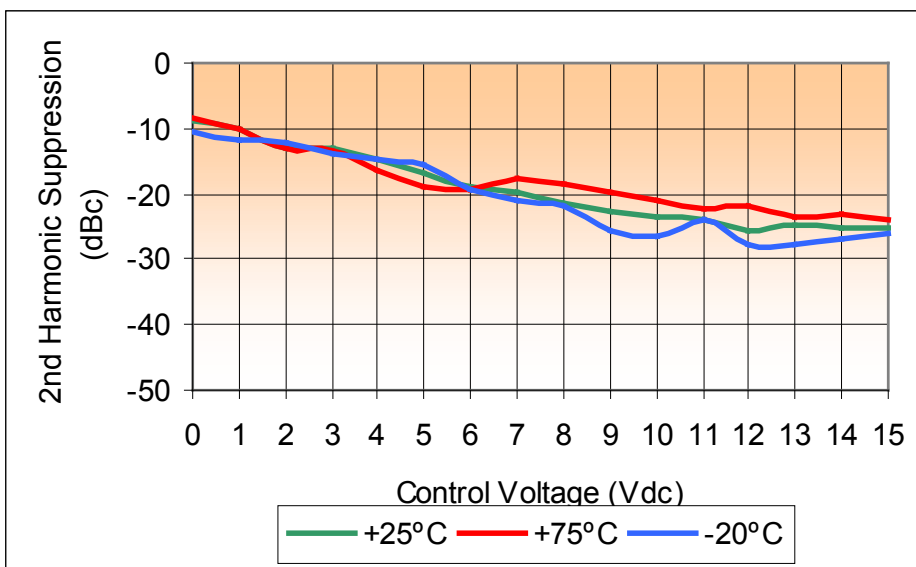
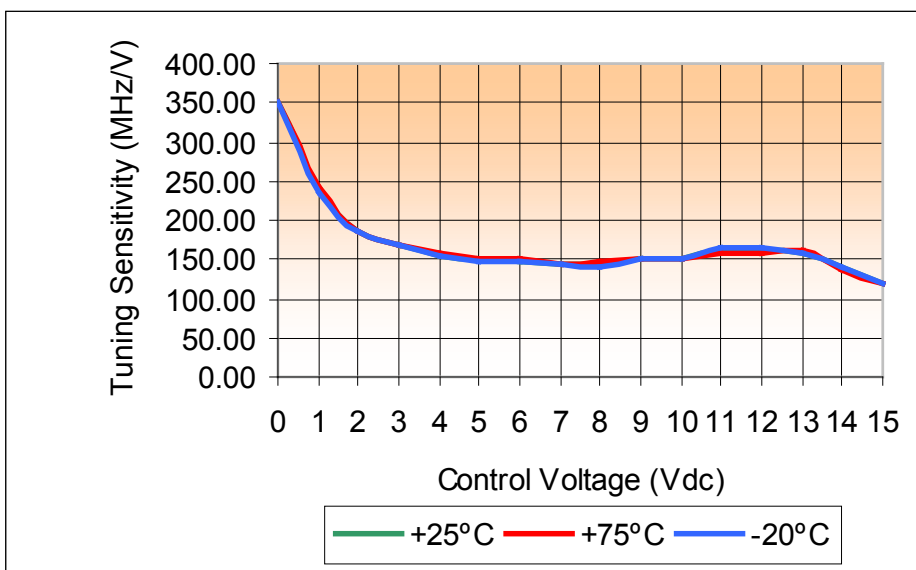
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