

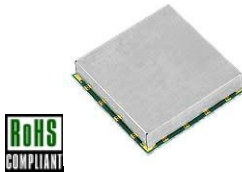
VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCMO514-5

WIDE BANDWIDTH

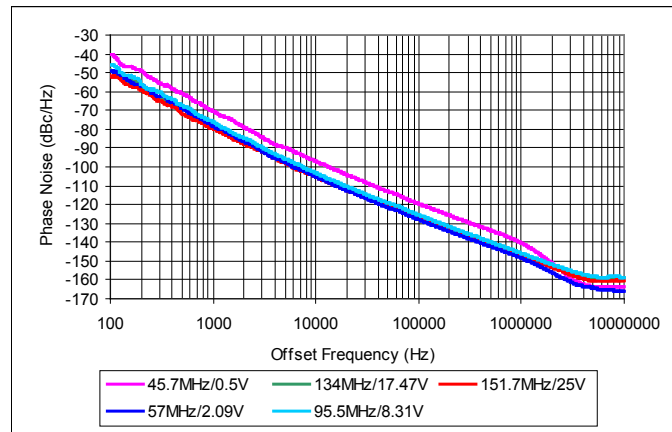
50 - 140 MHz

FEATURES:

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



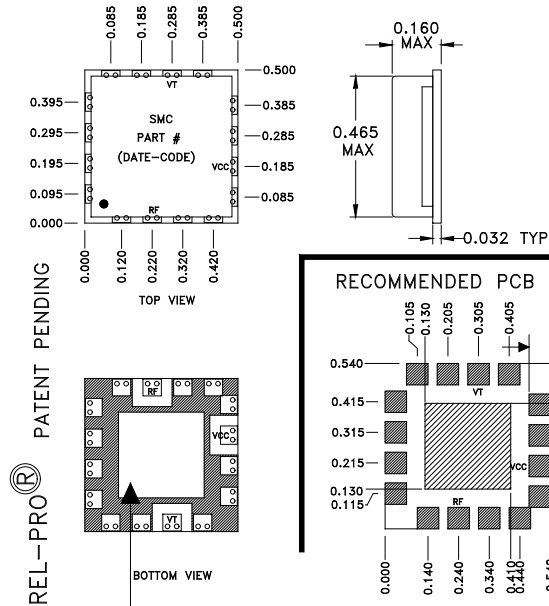
Phase Noise



SPECIFICATIONS (Rev. A 02/20/06)

Frequency	50 - 140 MHz
Tuning Voltage (Full Band)	0.5 - 24 VDC
Bias Voltage	+5 VDC @ 30 mA (Max)
Output Power	+2 dBm (Min)
Tuning Sensitivity	6 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	10 dBc (Typ)
Frequency Pulling	3 MHz (Max @ 1.75:1 VSWR)
Frequency Pushing	1 MHz/V (Max)
Phase Noise @ 10 kHz	-105 dBc/Hz (Typ)
Operating Temperature Range	-40 to +85 °C

Package # 278LF



Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	50 (Max)
5	65 (Min)
8	85 (Min)
12	100 (Min)
15	115 (Min)
18	130 (Min)
24	140 (Min)

OPTIONAL SOLDER AREA
FOR HIGH VIBRATION ENVIRONMENT

TOLERANCES ON THREE
DECIMAL PLACES= ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

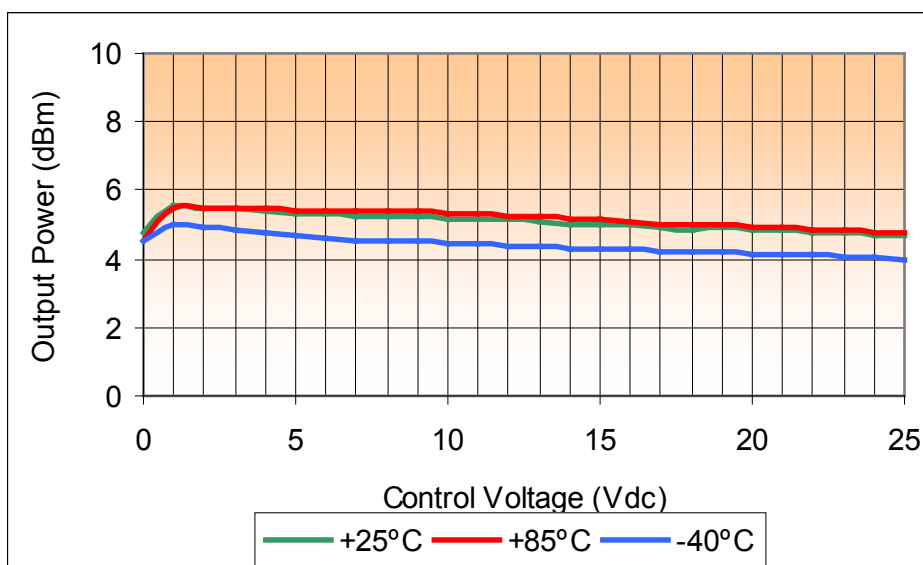
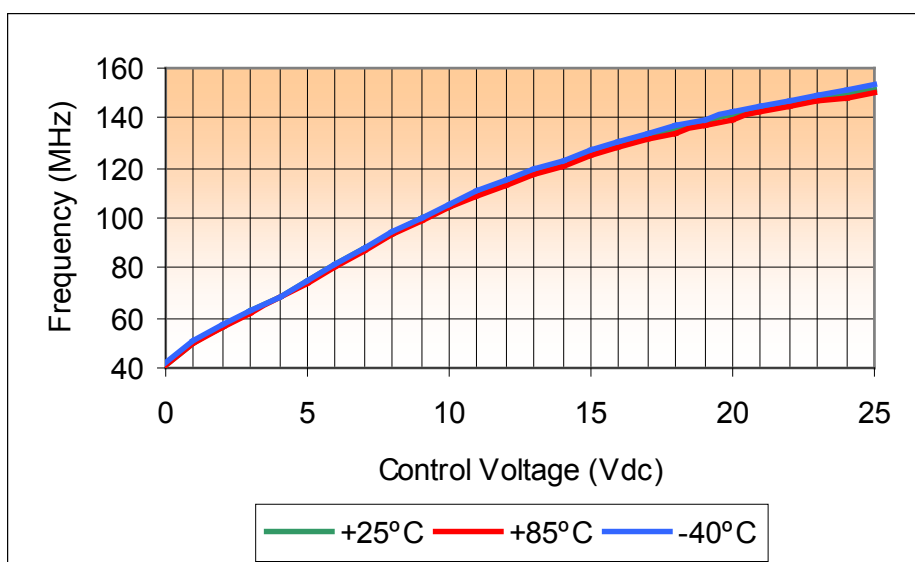
ALL UNLABELED PINS
TO BE GROUNDED.

VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCMO514-5

WIDE BANDWIDTH

50 - 140 MHz

PERFORMANCE PLOTS



VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCMO514-5

WIDE BANDWIDTH

50 - 140 MHz

PERFORMANCE PLOTS

