

VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCMO-190410

WIDE BANDWIDTH

1900-4100 MHz

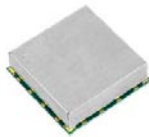
FEATURES:

- Exceptional Phase Noise Performance
- Tuning Voltage: 0.5 to +20.0 VDC
- Small Size, Surface Mount
- Lead Free REL-PRO® Technology

SPECIFICATIONS (Rev. "C" 06/22/05)

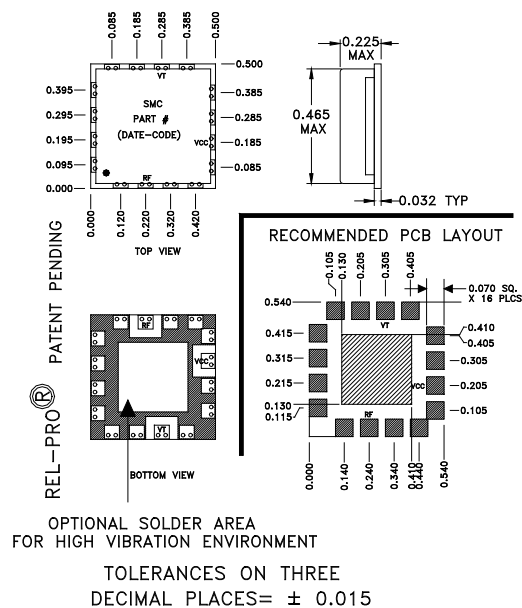
Oscillator Frequency:	1900-4100 MHz	Typical Phase Noise:	
Oscillator Frequency Bandwidth	2200 MHz	@ 10 kHz offset	-90 dBc/Hz
Tuning Voltage:	0.5 to 15 VDC (Nom)	@ 100 kHz offset	-110 dBc/Hz
Bias Voltage:	+5 VDC @ 50mA (Max)	Frequency Pulling:	14 MHz (Max) @ 1.75: VSWR
Output Power:	+3 dBm ±3.5 dB (Min)	Frequency Pushing:	7 MHz/V (Max)
Tuning Sensitivity:	100 to 200 MHz/Volt (Typ)	Output Impedance	50 ohms (Nom)
Harmonic Suppression:	10 dBc (Typ)	Operating Temp. Range:	-10°C to +70°C
VSWR	1.5:1(Typ)		

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MECHANICAL OUTLINE: 174LF



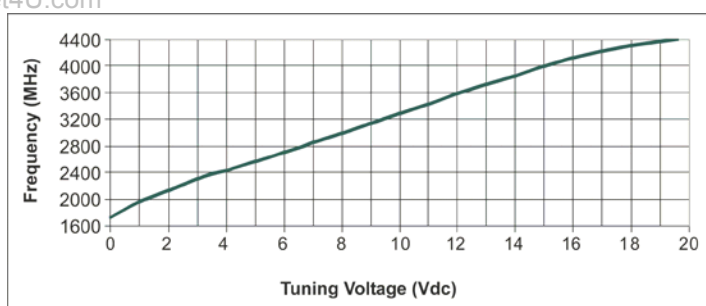
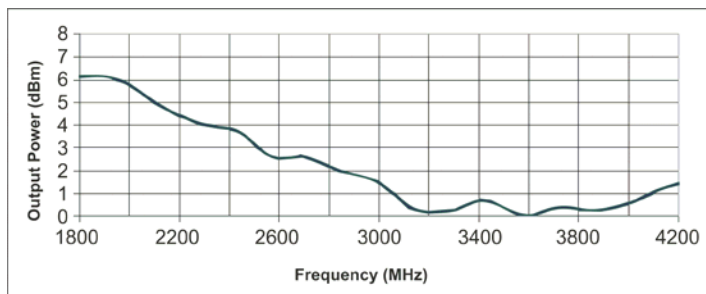
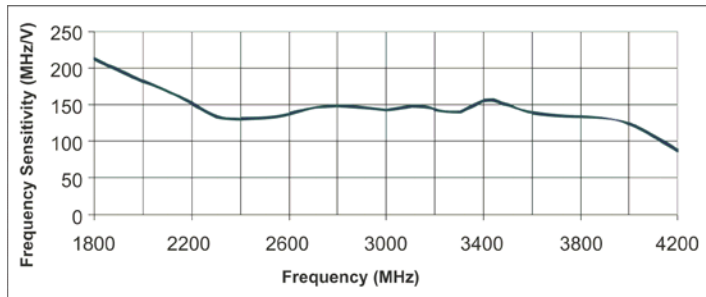
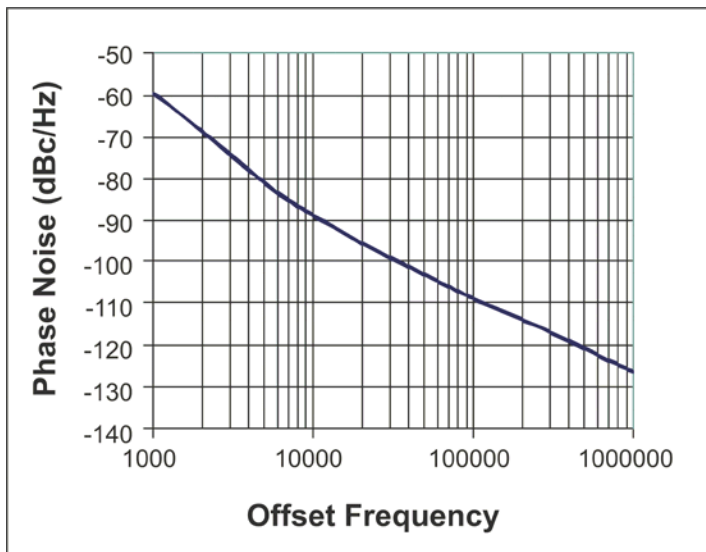
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PERFORMANCE PLOTS



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