

# VOLTAGE CONTROLLED OSCILLATOR

## SURFACE MOUNT MODEL: DCMO-190410

### WIDE BANDWIDTH

### 1900-4100 MHz

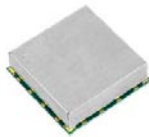
#### FEATURES:

- 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 )

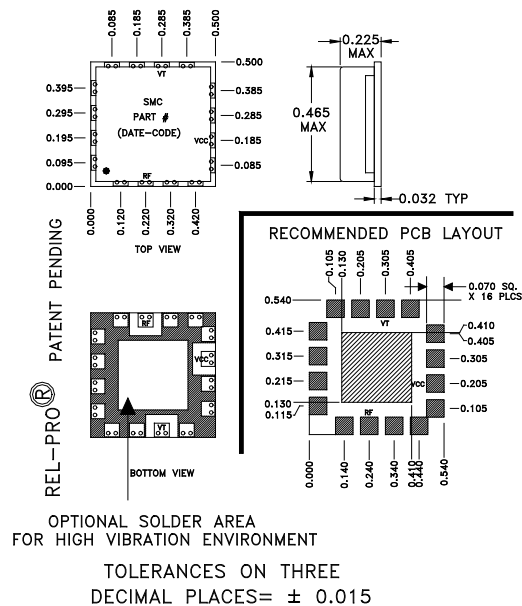
<b>Oscillator Frequency:</b>	1900-4100 MHz	<b>Typical Phase Noise:</b>	
<b>Oscillator Frequency Bandwidth</b>	2200 MHz	@ 10 kHz offset	-90 dBc/Hz
<b>Tuning Voltage:</b>	0.5 to 15 VDC (Nom)	@ 100 kHz offset	-110 dBc/Hz
<b>Bias Voltage:</b>	+5 VDC @ 50mA (Max)	<b>Frequency Pulling:</b>	14 MHz (Max) @ 1.75: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

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#### MECHANICAL OUTLINE: 174LF



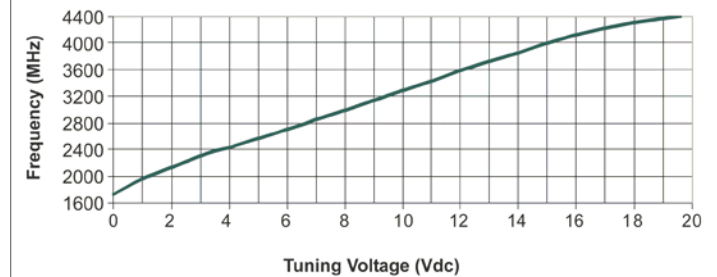
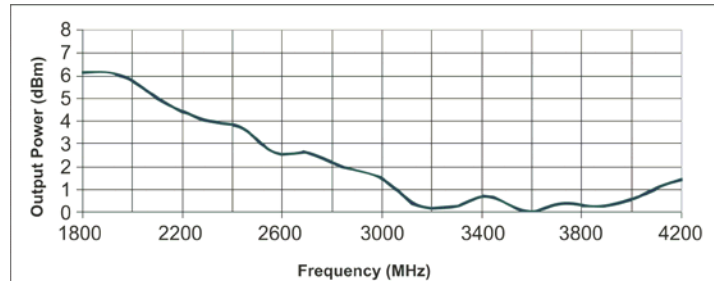
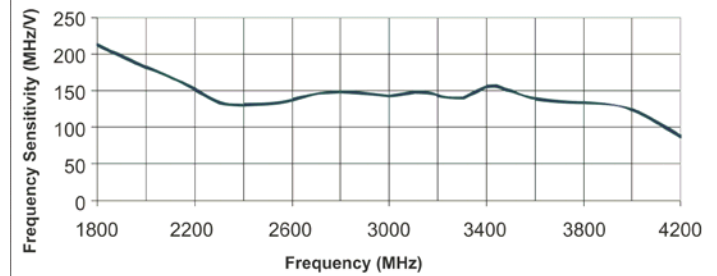
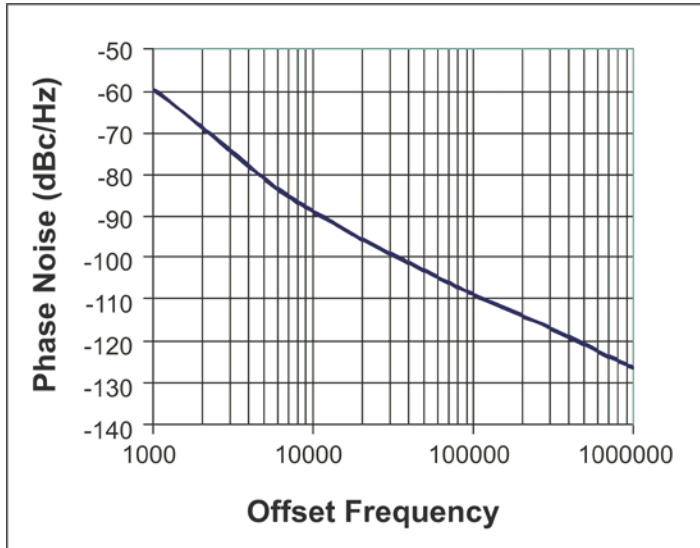
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#### PERFORMANCE PLOTS



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