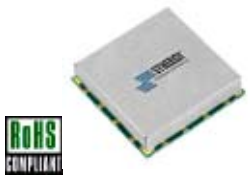
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: MFC91119-10

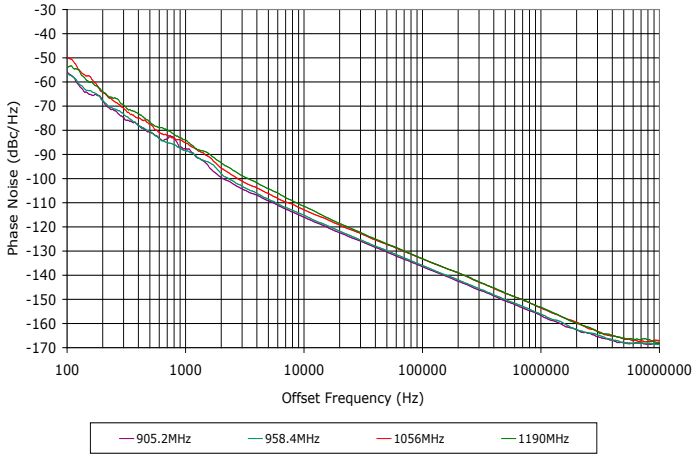
OPTIMIZED BANDWIDTH 910 - 1190 MHz

FEATURES:

- Low Phase Noise Performance
- Fast Tuning
- Ideal for PLL Applications
- Small Size, Surface Mount
- Lead Free Patented REL-PRO® Technology



Phase Noise



SPECIFICATIONS (Rev. D 09/14/09)

Frequency	910 - 1190 MHz
Tuning Voltage	See table below.
Bias Voltage	+10 VDC @ 29 mA (Max.)
Output Power	+2 dBm (Min.)
Tuning Sensitivity	13 - 26 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	13 dB (Typ.)
Frequency Pulling	4 MHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	3 MHz/V (Typ.)
Tuning Port Capacitance	60 pF (Typ.)
Phase Noise @ 10 kHz	-114 dBc/Hz (Typ.)
Operating Temperature Range	-40 to 85 °C

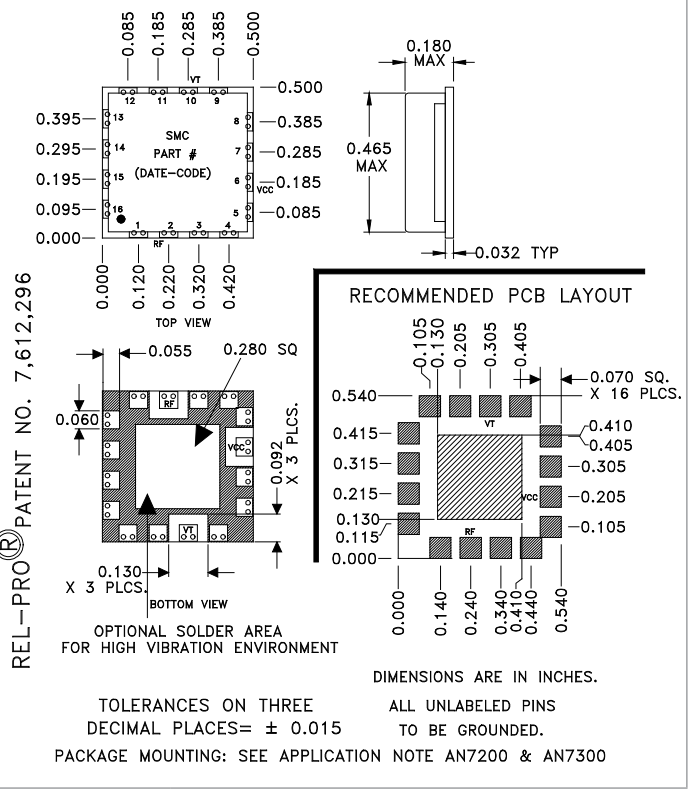
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	910 (Max.)
5	940 (Min.)
8	970 (Min.)
12	1060 (Min.)
15	1120 (Min.)
18	1180 (Min.)
20	1190 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 ºC
Bias Voltage	+10.5 V
Tuning Voltage	+28 V
DC Voltage Applied to RF Out	± 25 V

Package #	278LF



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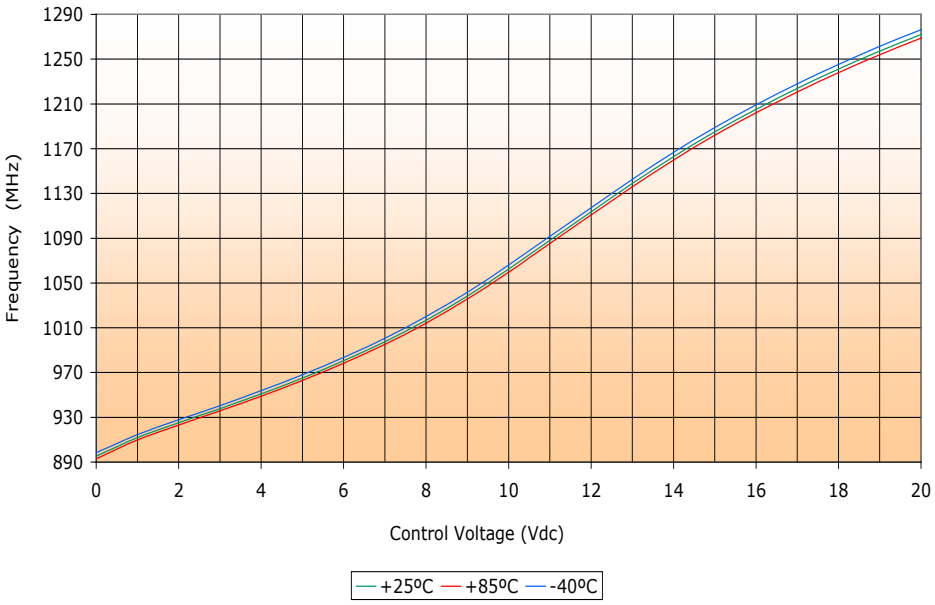
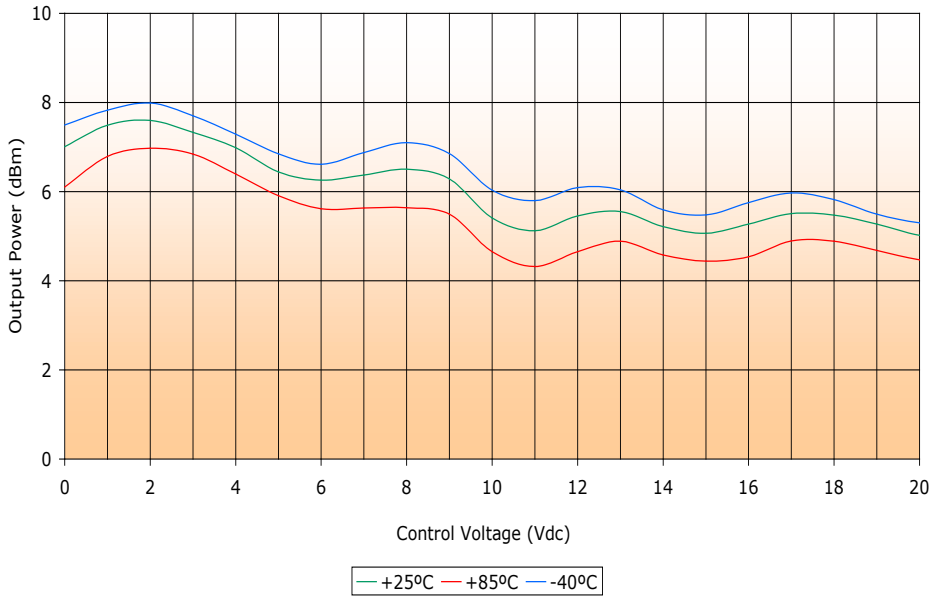
SURFACE MOUNT MODEL: MFC91119-10

OPTIMIZED BANDWIDTH 910 - 1190 MHz

PERFORMANCE PLOTS





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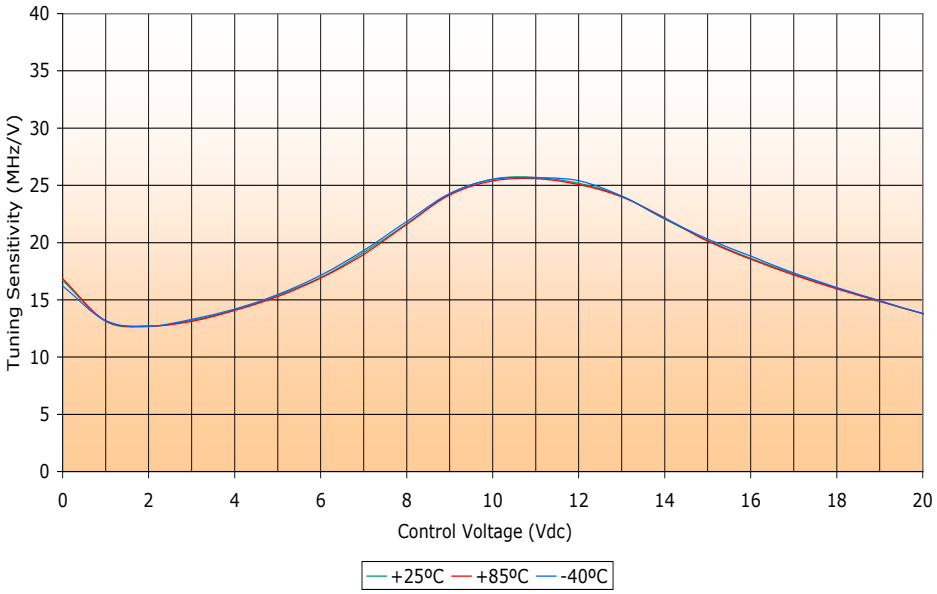

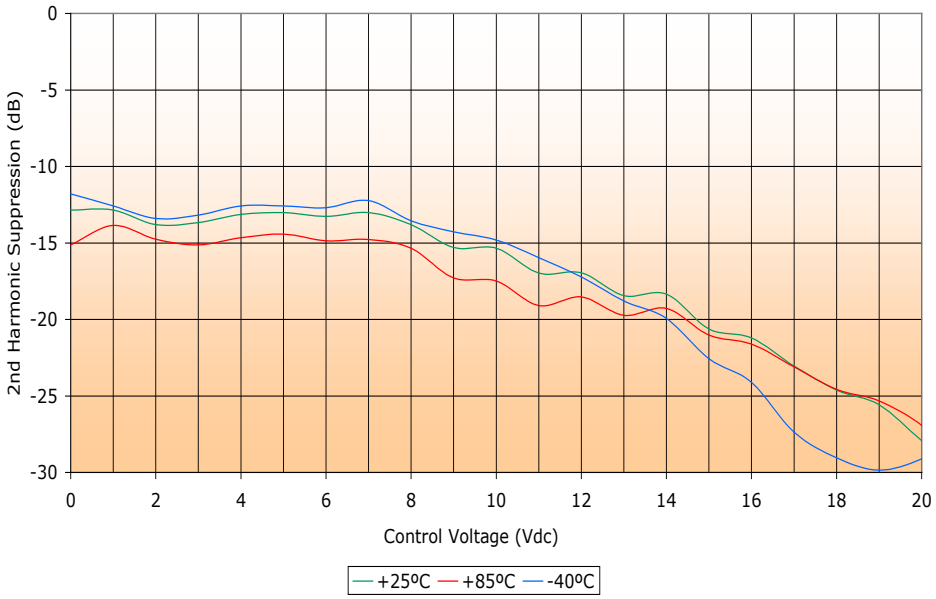

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