

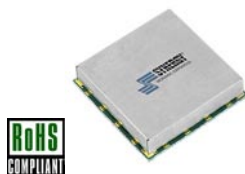
VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: MFC1926-12

OPTIMIZED BANDWIDTH

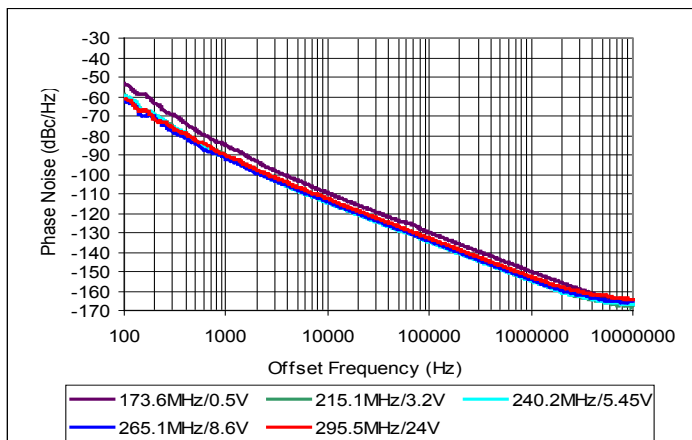
190 - 260 MHz

FEATURES:

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



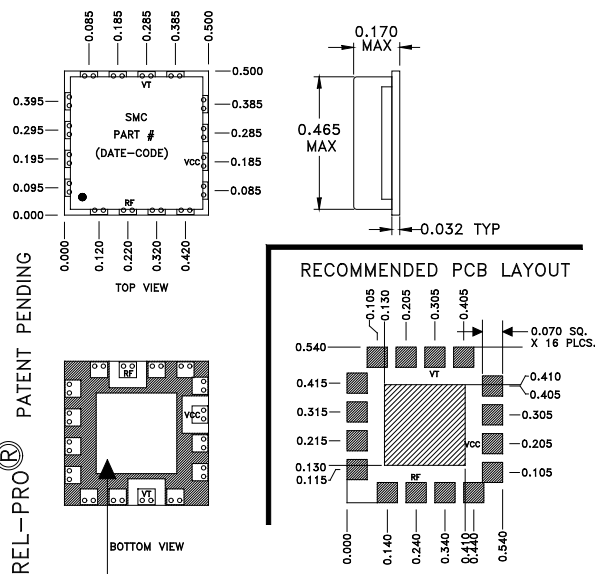
Phase Noise



SPECIFICATIONS (Rev. B 07/03/07)

Frequency	190 - 260 MHz
Tuning Voltage (Full Band)	0.5 - 12 VDC
Bias Voltage	+12 VDC @ <35 mA
Output Power	+1 dBm (Min)
Tuning Sensitivity	6 - 14 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	10 dBc (Min)
Frequency Pulling	3 MHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Typ)
Phase Noise @ 10 kHz	-114 dBc/Hz (Typ)
Operating Temperature Range	-40 to 85 °C

Package # 278LF



Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	190 (Max)
5	220 (Min)
8	240 (Min)
12	260 (Min)

This product is manufactured under one or more of the following patents: Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591 | Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834; 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787

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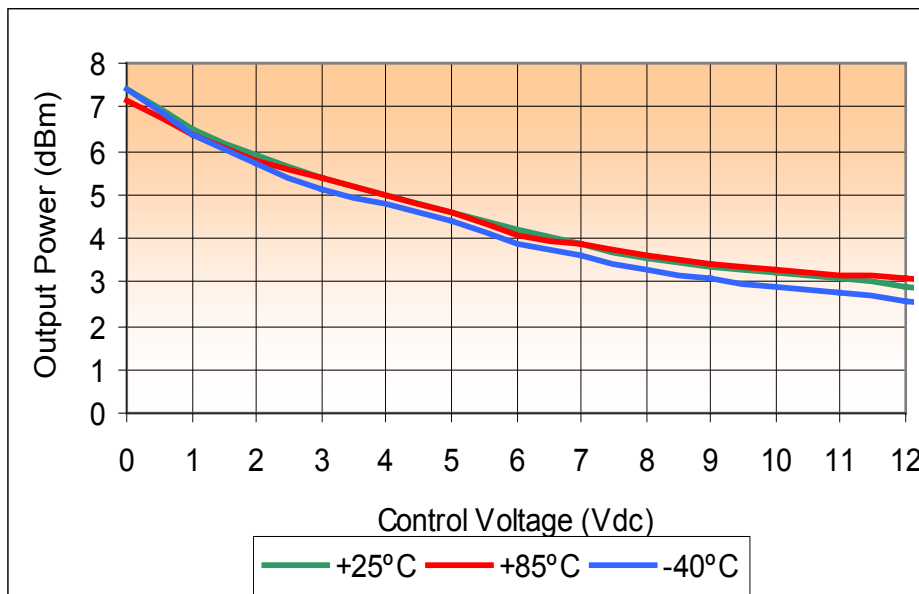
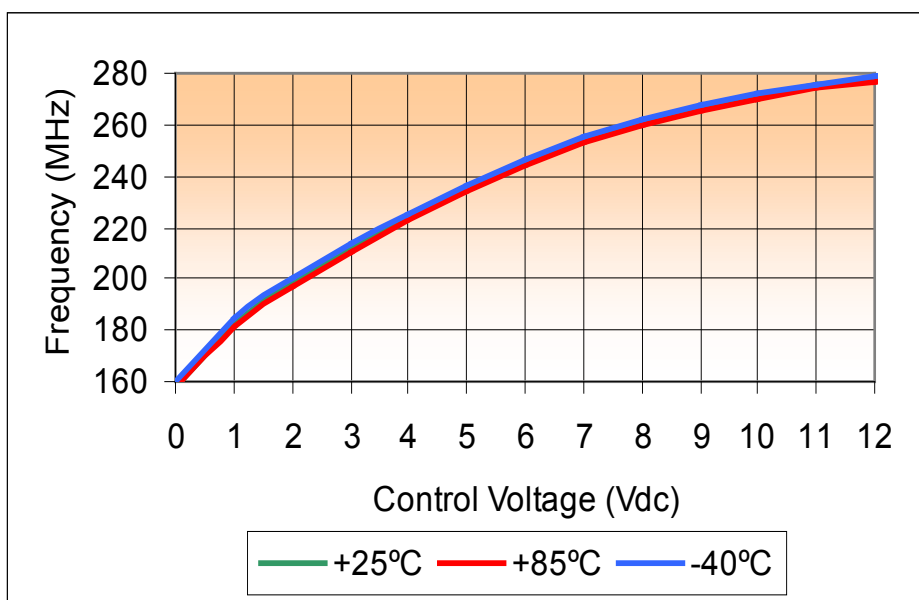


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PERFORMANCE PLOTS



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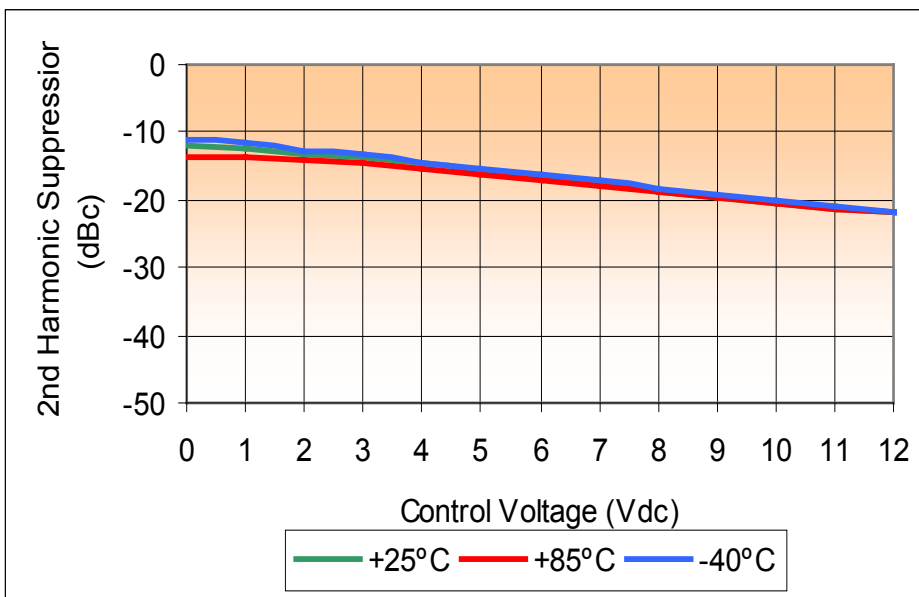
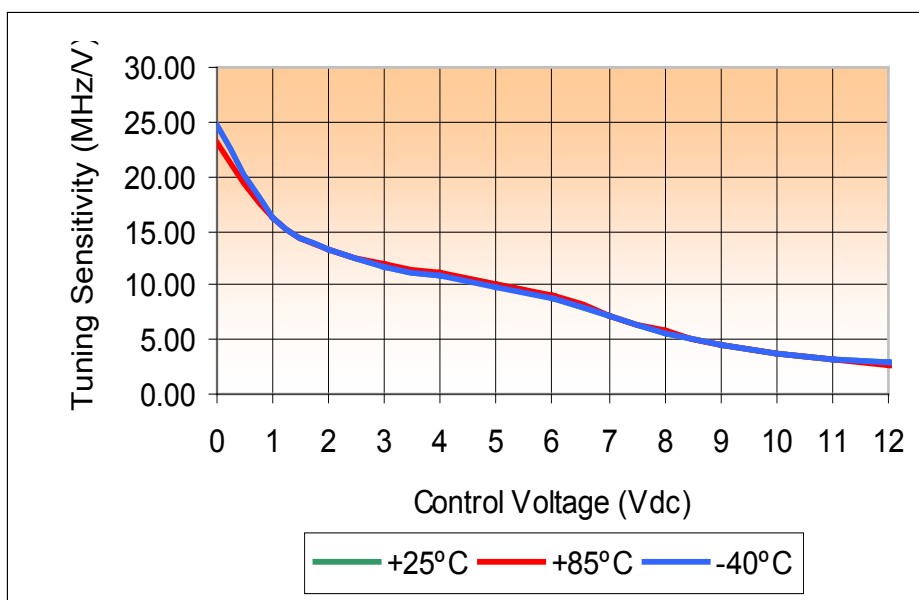


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