

VOLTAGE CONTROLLED OSCILLATOR

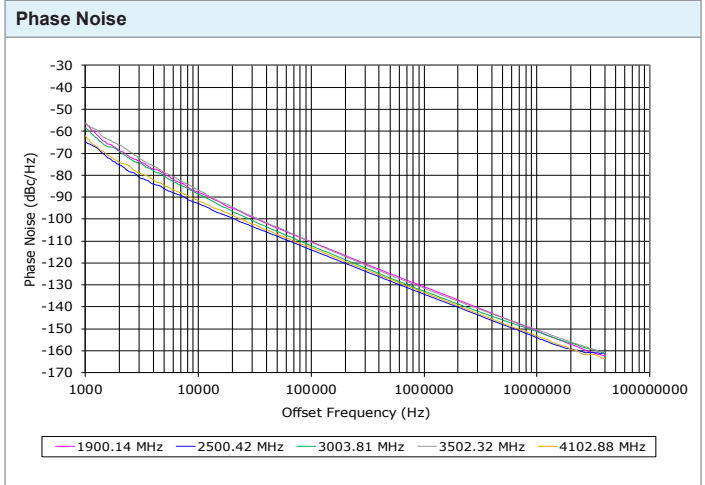
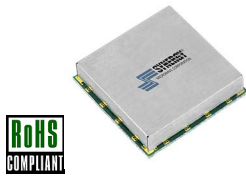
SURFACE MOUNT MODEL: DCMO190410-5

WIDE BANDWIDTH

1900 - 4100 MHz

FEATURES:

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



SPECIFICATIONS (Rev. P 04/14/22)

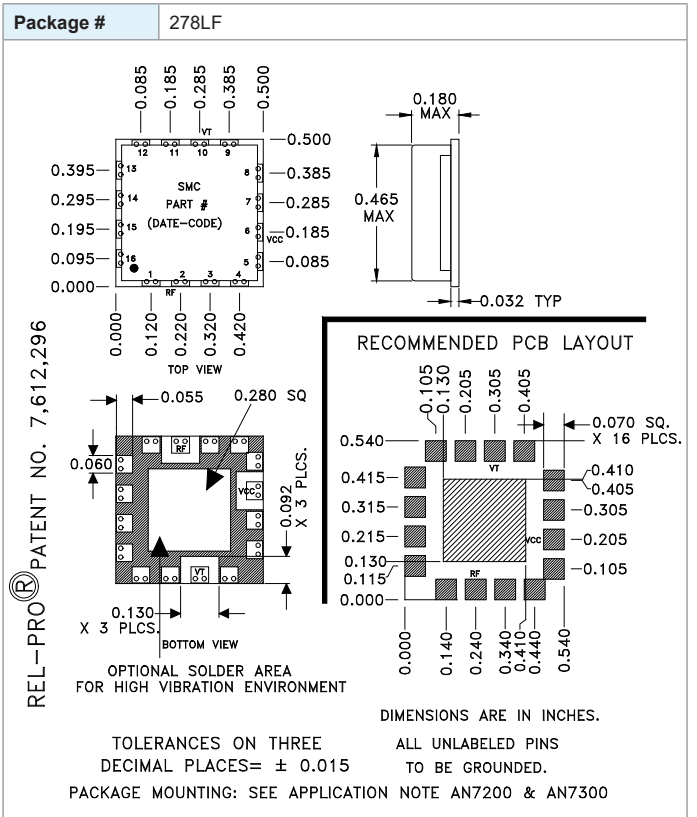
Frequency	1900 - 4100 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 50 mA (Max.)
Output Power	+2 dBm (Min.)
Tuning Sensitivity	60 - 250 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	15 dBc (Typ.)
Frequency Pulling	4 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	4 MHz/V (Typ.)
Tuning Port Capacitance	74 pF (Typ.)
Phase Noise @ 10 kHz	-90 dBc/Hz (Typ.)
Operating Temperature Range	-20 to +70 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	1900 (Max.)
5	2500 (Min.)
8	2950 (Min.)
12	3600 (Min.)
16	4000 (Min.)
18	4100 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+19.0 V
DC Voltage Applied to RF Out	± 25 V



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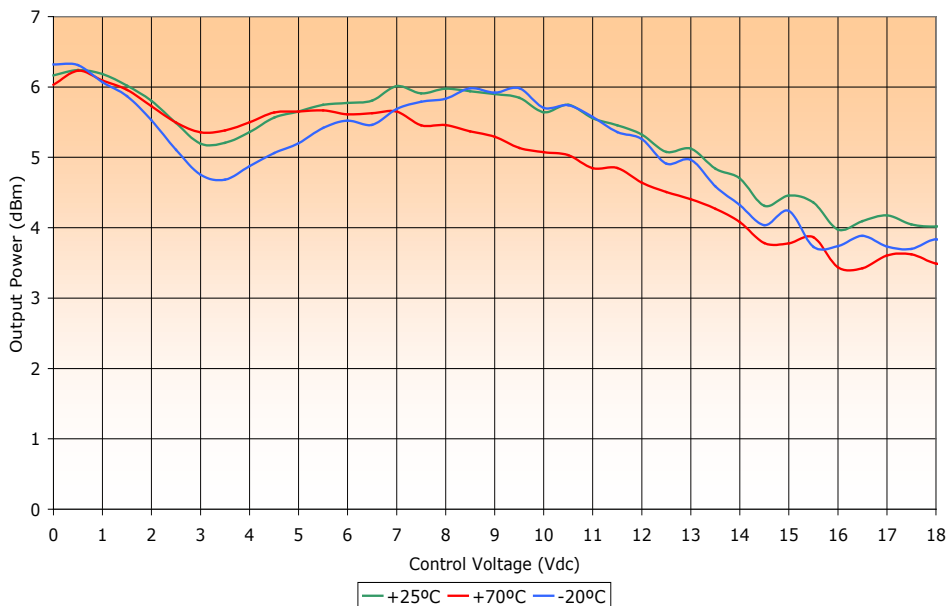
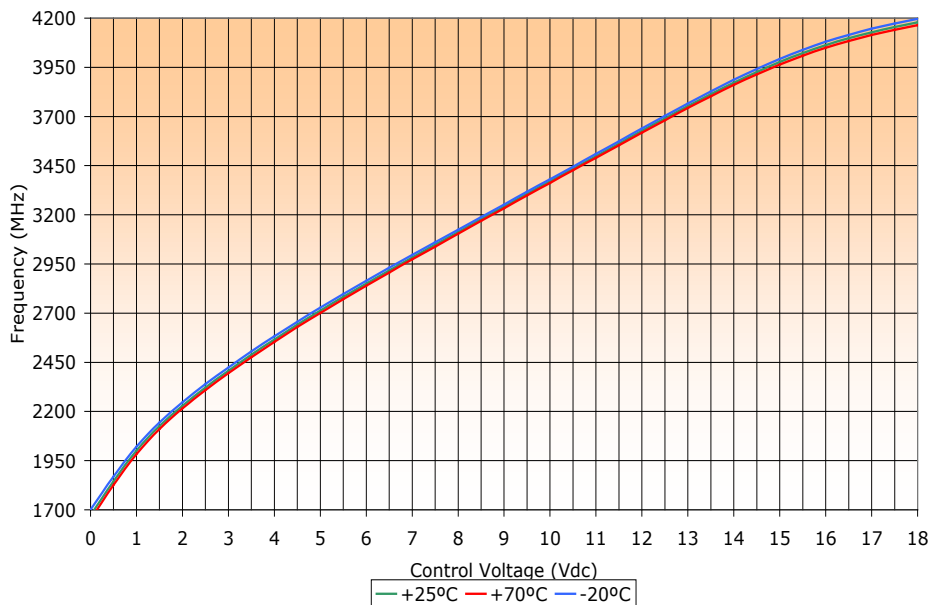
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PERFORMANCE PLOTS



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