

VOLTAGE CONTROLLED OSCILLATOR

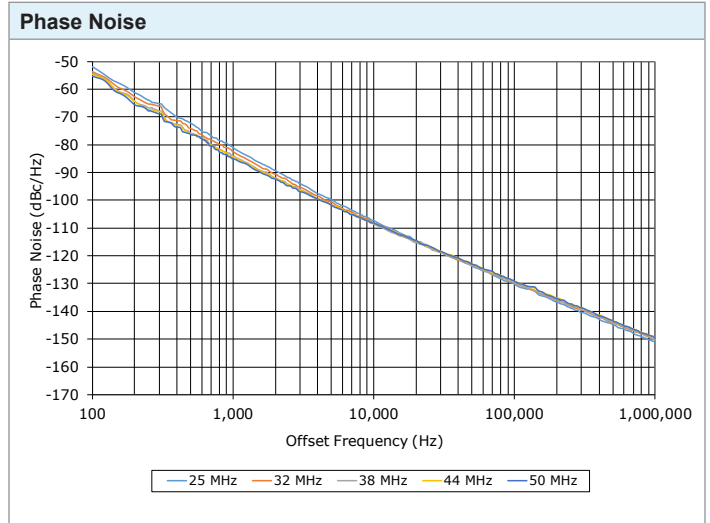
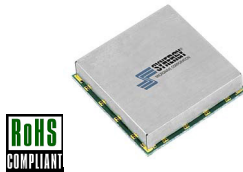
SURFACE MOUNT MODEL: DCMO25-5

WIDE BANDWIDTH

20 - 50 MHz

FEATURES:

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



SPECIFICATIONS (Rev. C 12/08/21)

Frequency	20 - 50 MHz
Tuning Voltage (Full Band)	See table below.
Bias Voltage	+5 VDC @ 40 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	1 - 3 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	12 dB (Typ.)
Frequency Pulling	0.5 MHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	0.5 MHz/V (Typ)
Tuning Port Capacitance	650 pF (Typ.)
Phase Noise @ 10 kHz	-108 dBc/Hz (Typ)
Operating Temperature Range	-40 to +85 °C

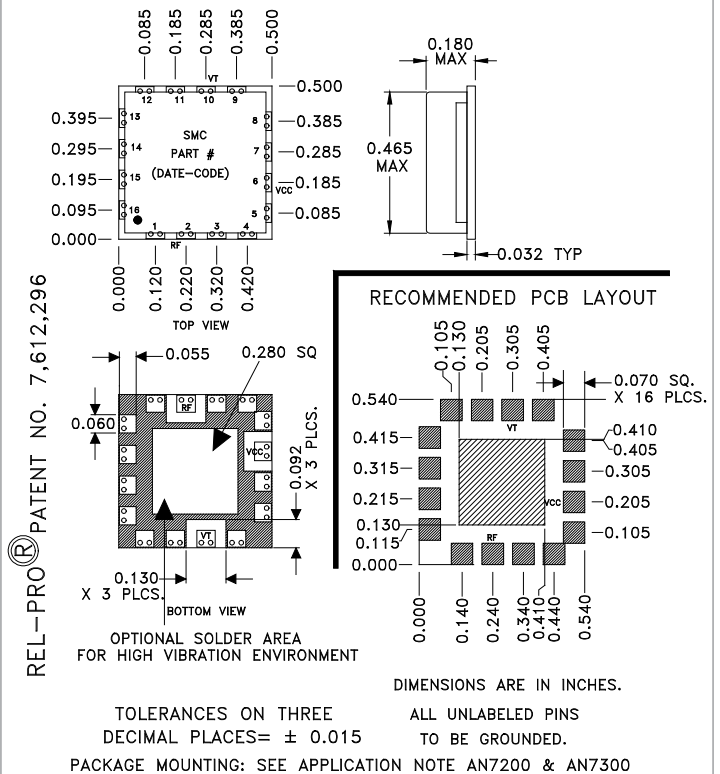
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	20 (Max.)
5	22 (Min)
12	33 (Min)
15	38 (Min)
18	42 (Min)
24	50 (Min)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5 V
Tuning Voltage	+28.0 V
DC Voltage Applied to RF Out	± 25 V

Package # 278LF



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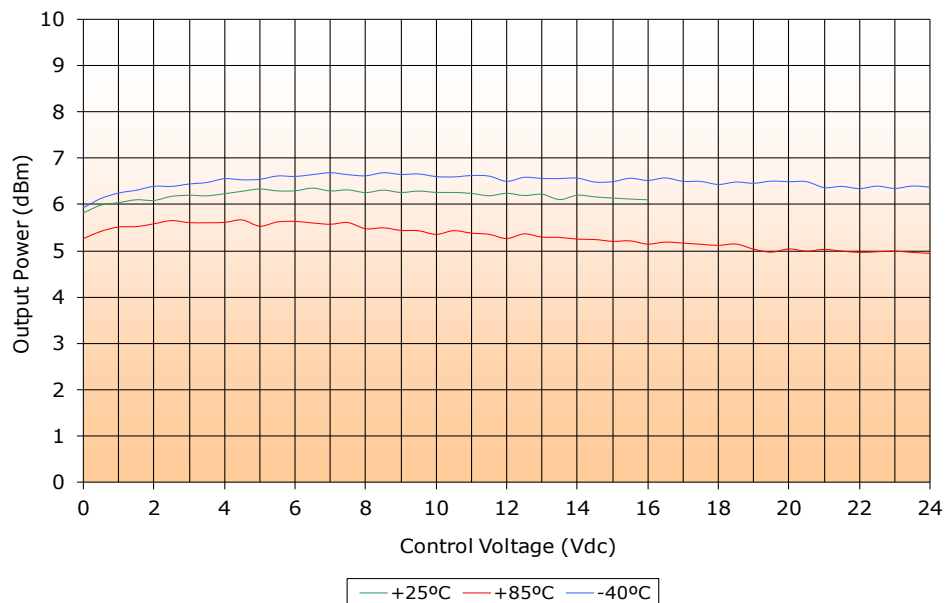
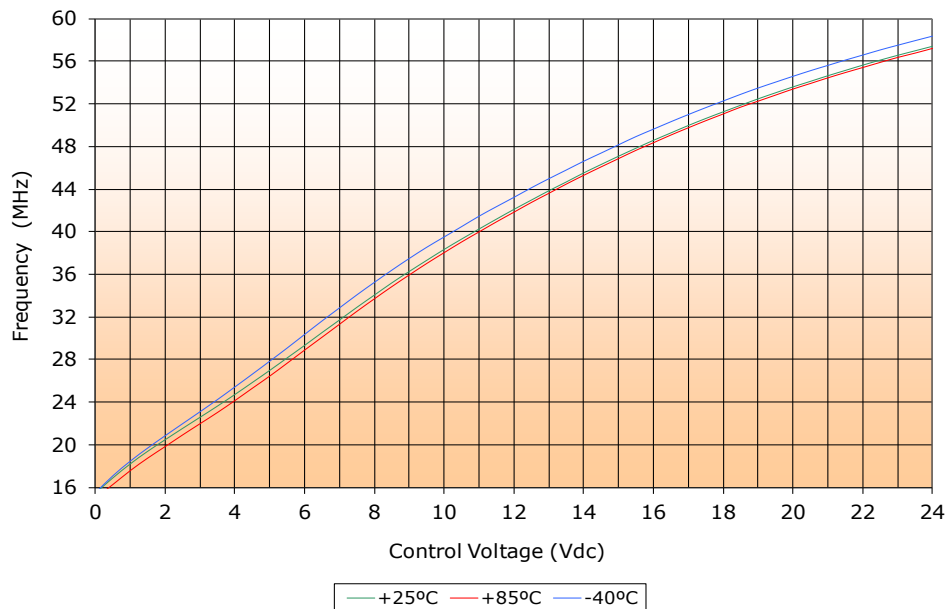


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCMO25-5

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PERFORMANCE PLOTS



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