VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCSR4210-8

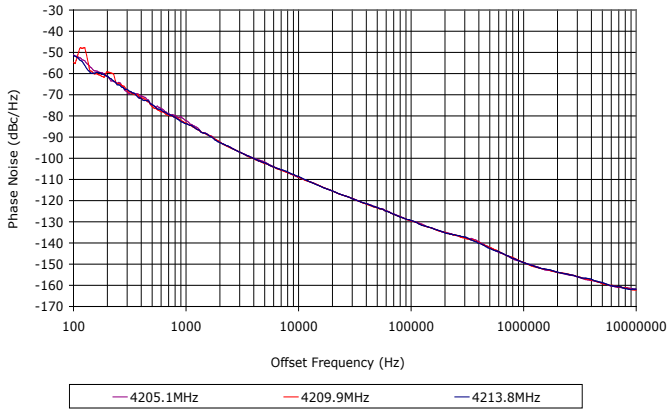
OPTIMIZED BANDWIDTH — 4210 MHz

FEATURES:

- Optimized Tuning Frequency Band
- Exceptional Phase Noise Performance
- Small Size, Surface Mount
- Lead Free Patented REL-PRO® Technology
- Planar Resonator Construction



Phase Noise



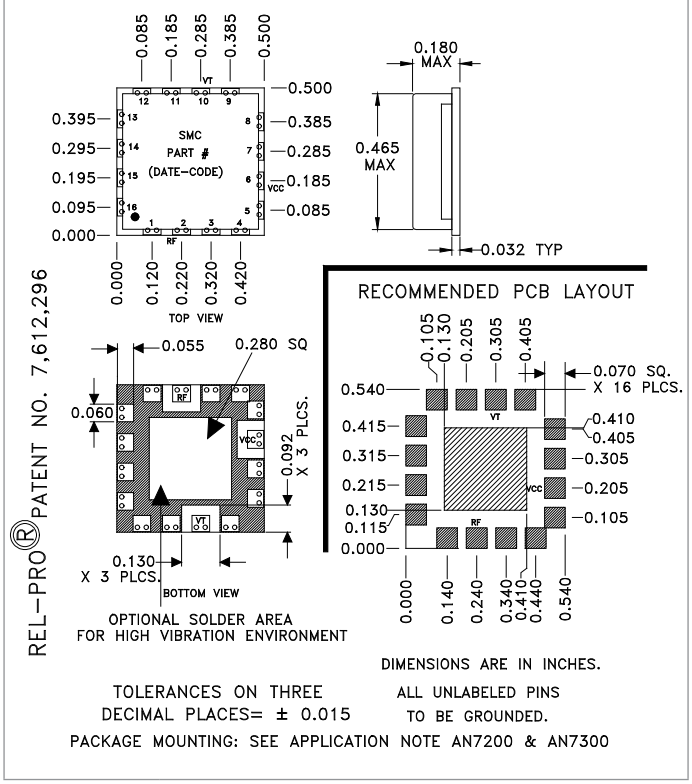
SPECIFICATIONS (Rev. C 09/11/08)

Frequency	4210 MHz
Tuning Voltage	0.5 - 8 VDC
Bias Voltage	+8 VDC @ 38 mA (Max.)
Output Power	+5 dBm (Min.)
Tuning Sensitivity	4 - 5 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	23 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Typ.)
Tuning Port Capacitance	42 pF (Typ.)
Phase Noise @ 10 kHz	-109 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 ºC
Bias Voltage	+8.5 V
Tuning Voltage	+12 V
DC Voltage Applied to RF Out	± 25 V

Package # 278LF



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; 7,262,670; 7,265,642; 7,292,113; 7,365,612; 7,495,525; 2,548,311; 2,548,317; 7,545,229; 7,580,693; 7,586,381; 7,605,670; 7,636,021; 2,533,623 | 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; 7,495,525; 2,548,311; 2,548,317; 7,545,229; 2,563,174; 7,580,693; 7,612,296; 2,524,751

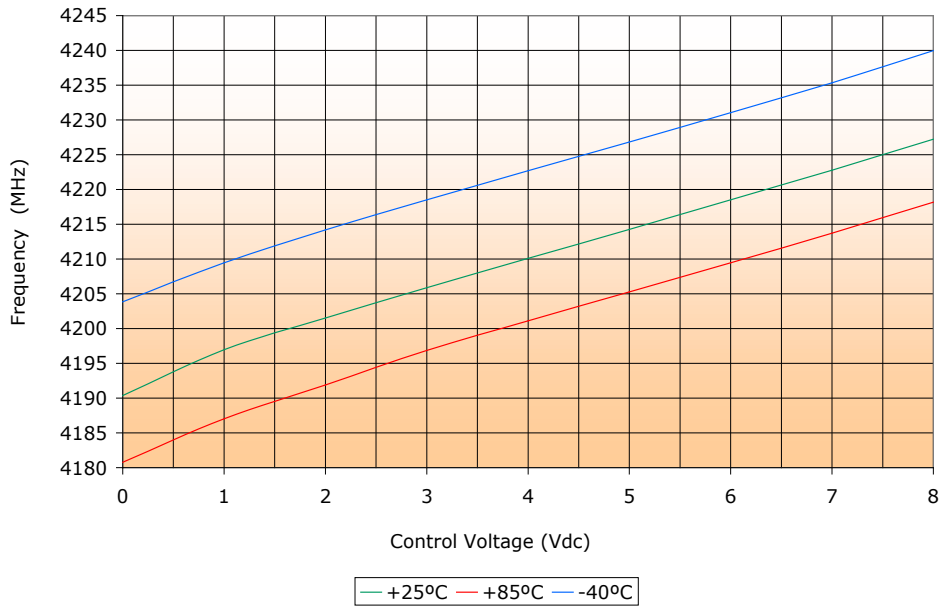
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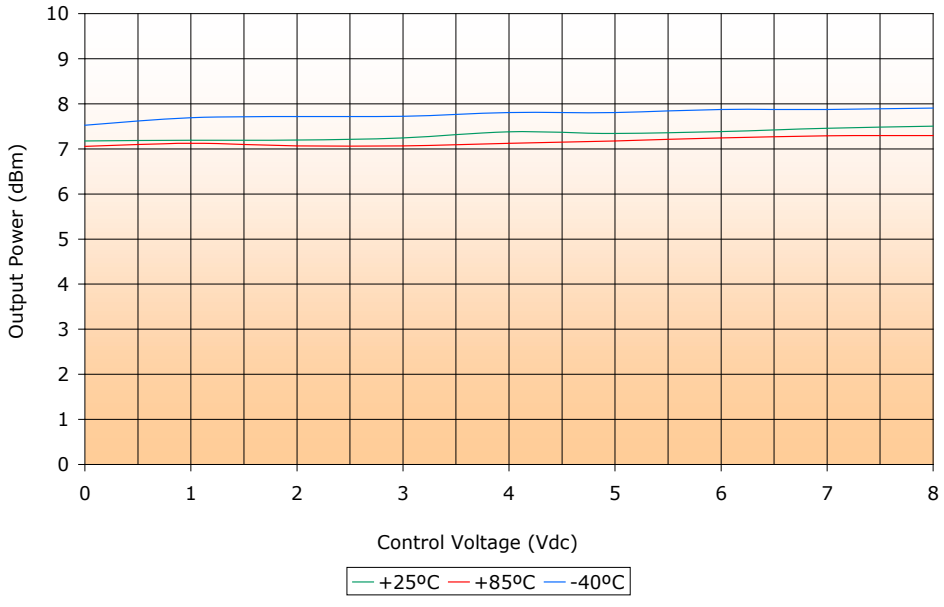
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCSR4210-8

OPTIMIZED BANDWIDTH 4210 MHz

PERFORMANCE PLOTS





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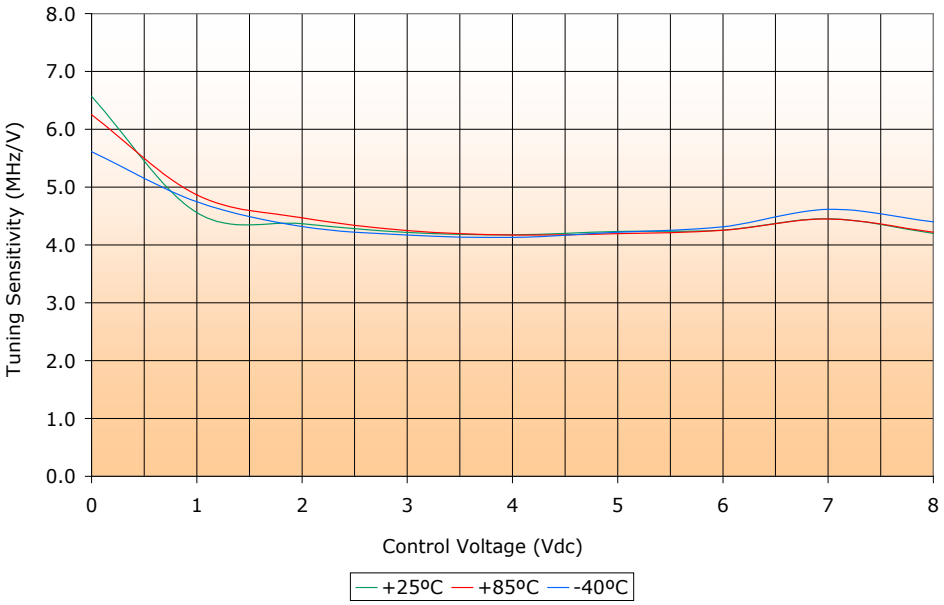
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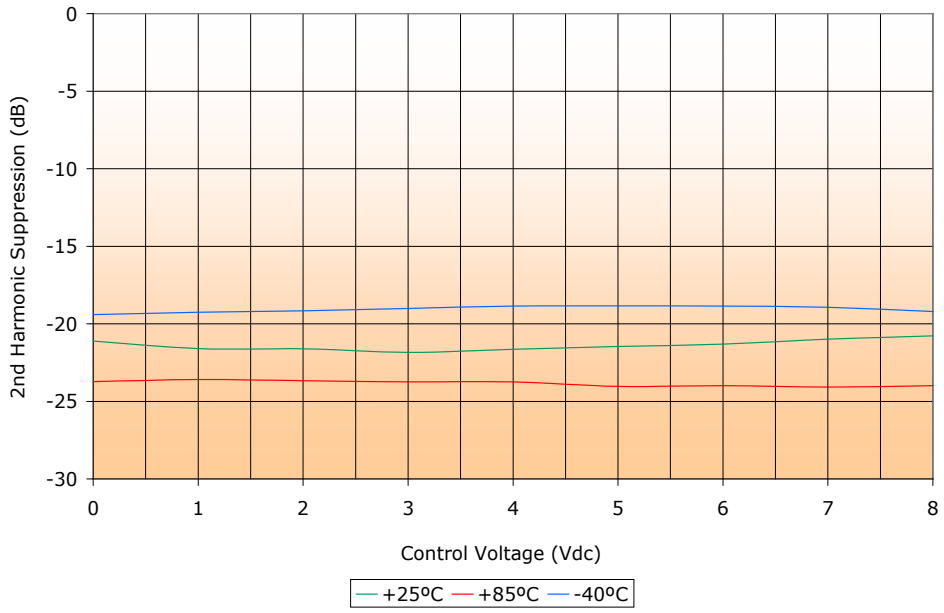
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