VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCSO1000-12

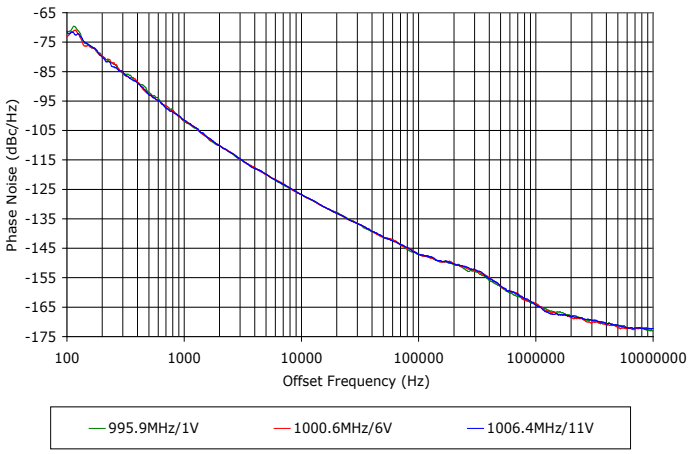
OPTIMIZED CENTER FREQUENCY 1000 MHz

FEATURES:

- **Highly Immune To Phase Hits**
- **Low Phase Noise (SAW Replacement)**
- **Tolerant To Supply Variation**
- **Fast Tuning**
- **Small Size, Surface Mount**
- **Lead Free REL-PRO® Technology**
- **Planar Resonator Construction**



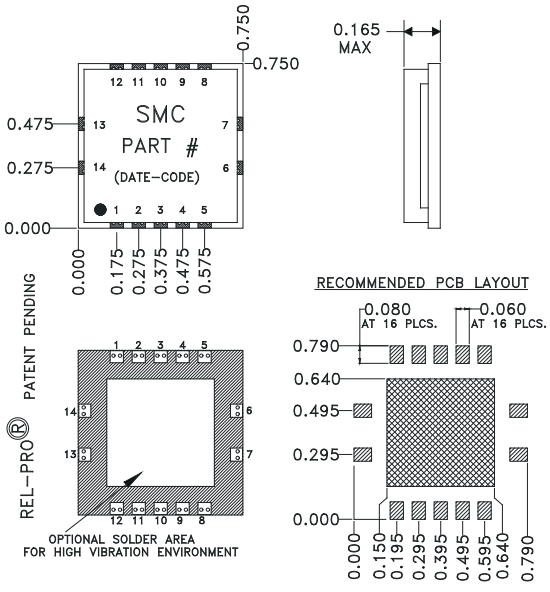
Phase Noise



SPECIFICATIONS(Rev. F 01/03/08)

Frequency	1000 MHz
Tuning Voltage	0.5 - 12 VDC
Bias Voltage	+12 VDC @ <35 mA
Output Power	+4 dBm (Min)
Tuning Sensitivity	2 MHz/V (Typ)
Output Impedance	50 Ohms (Nom)
Harmonic Suppression	20 dBc (Min)
Frequency Pulling	500 kHz (Typ @ 1.75:1 VSWR)
Frequency Pushing	50 kHz/V (Typ)
Phase Noise @ 10 kHz	-126 dBc/Hz (Typ)
Operating Temperature Range	-40 to +85 °C

Package # 249LF



PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

CONTACT ASSIGNMENT	
Tuning Voltage	2
No Connection	4
RF Output	9
DC Supply Input	11
All Others	Ground

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 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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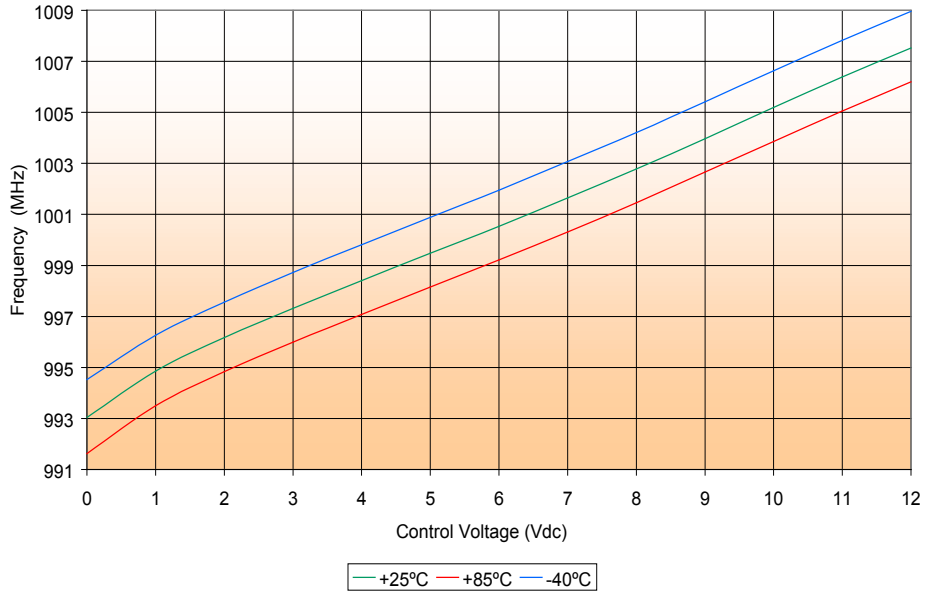
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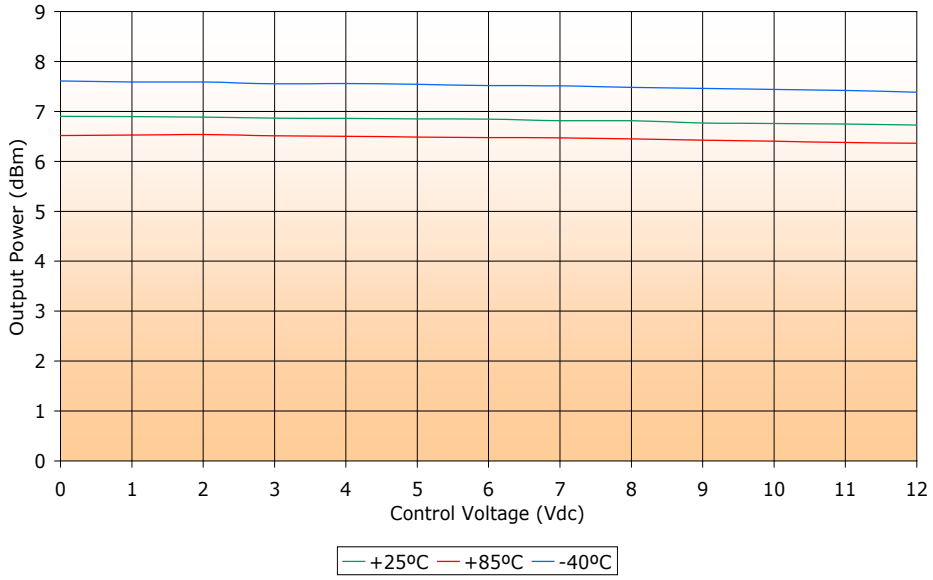
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCSO1000-12

OPTIMIZED CENTER FREQUENCY **1000 MHz**

PERFORMANCE PLOTS





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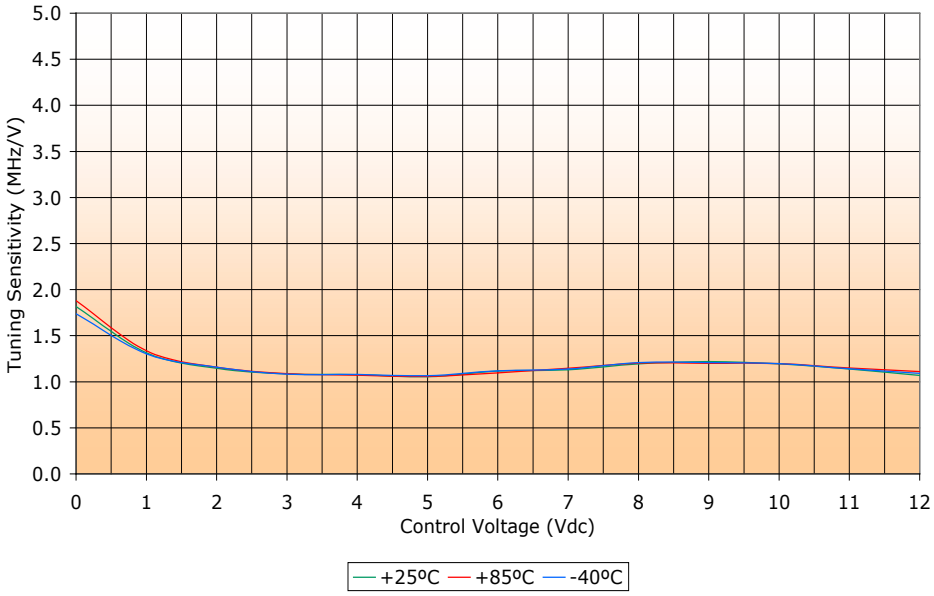
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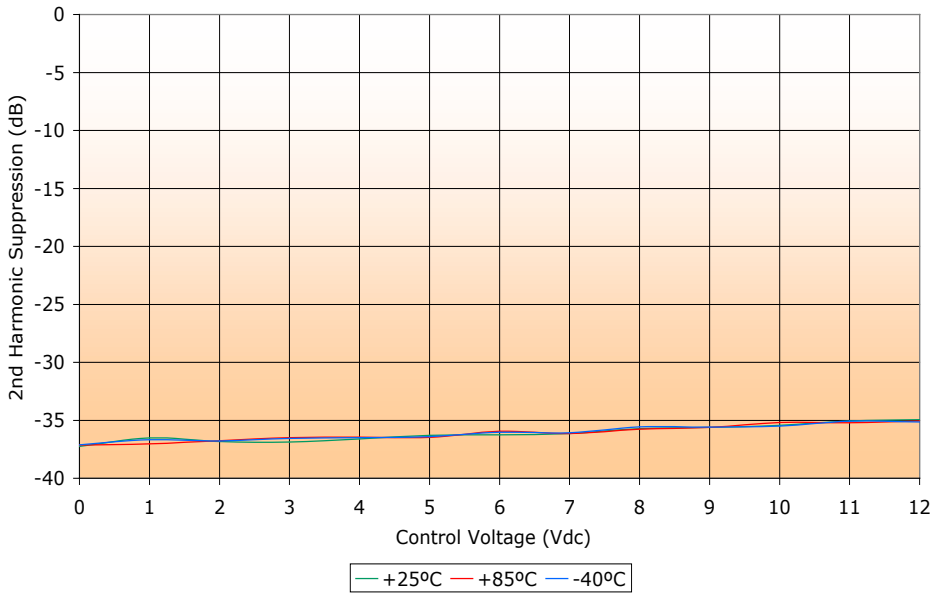
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