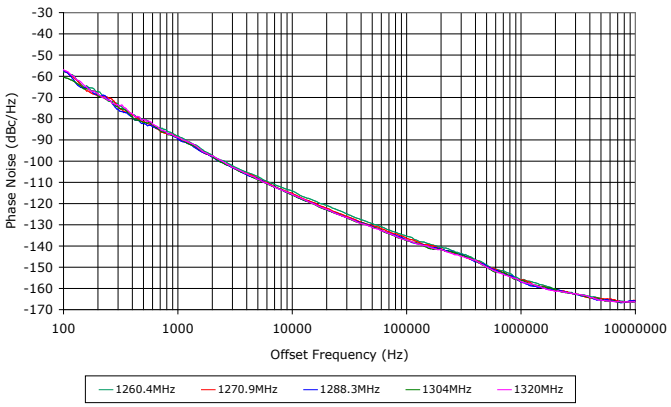
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCRO128132-8

WIDE BANDWIDTH — 1280 - 1320 MHz

FEATURES:

- **Exceptional Phase Noise Performance**
- **Small Size, Surface Mount**
- **Lead Free REL-PRO® Technology**
- **Planar Resonator Construction**

Phase Noise



SPECIFICATIONS (Rev. C 08/24/09)

Frequency	1280 - 1320 MHz
Tuning Voltage	See table below.
Bias Voltage	+8 VDC @ 20 mA (Max.)
Output Power	+2 dBm (Min.)
Tuning Sensitivity	6 to 8 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	32 dB (Typ.)
Frequency Pulling	5 MHz (Max. @ 1.75:1 VSWR)
Frequency Pushing	2 MHz/V (Max.)
Tuning Port Capacitance	50 pF (Typ.)
Phase Noise @ 10 kHz	-115 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

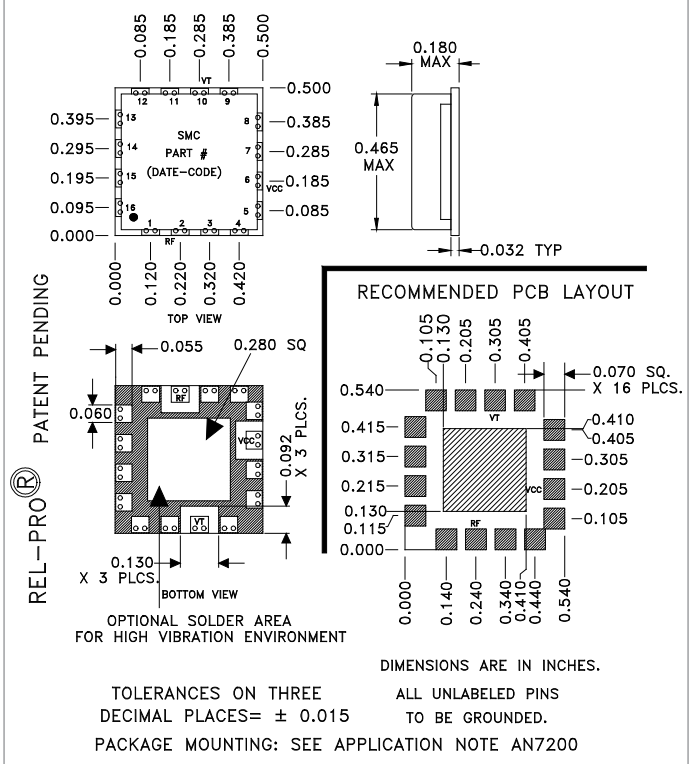
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	1280 (Max.)
10	1320 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+10.5 V
Tuning Voltage	+16 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* ***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*

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SYNERGY® MICROWAVE CORPORATION

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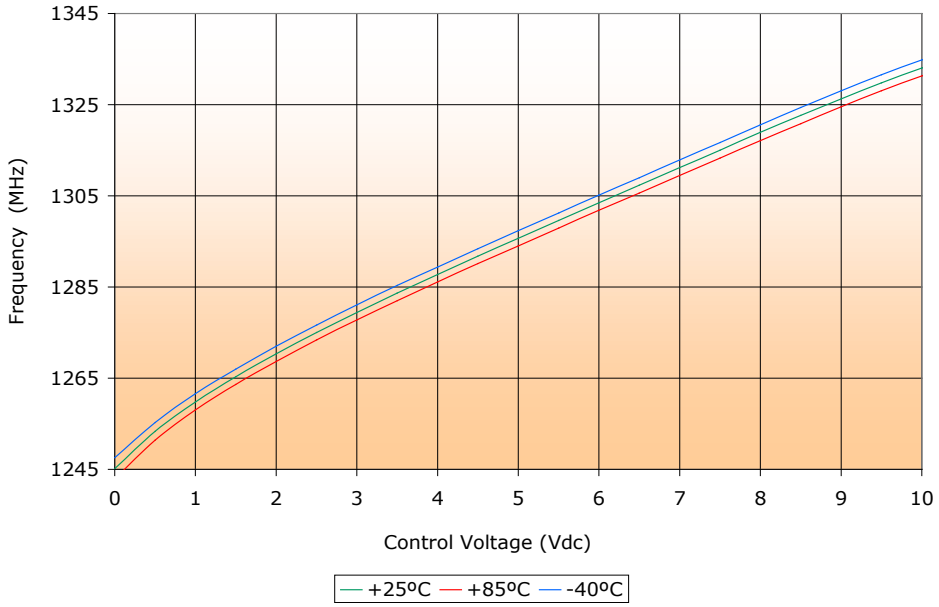
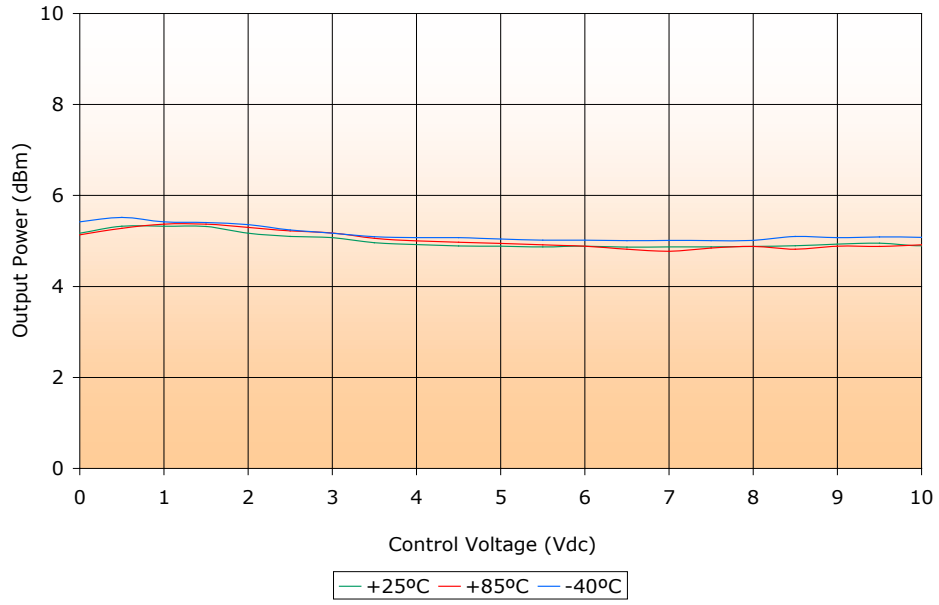
SURFACE MOUNT MODEL: DCRO128132-8

WIDE BANDWIDTH **1280 - 1320 MHz**

PERFORMANCE PLOTS





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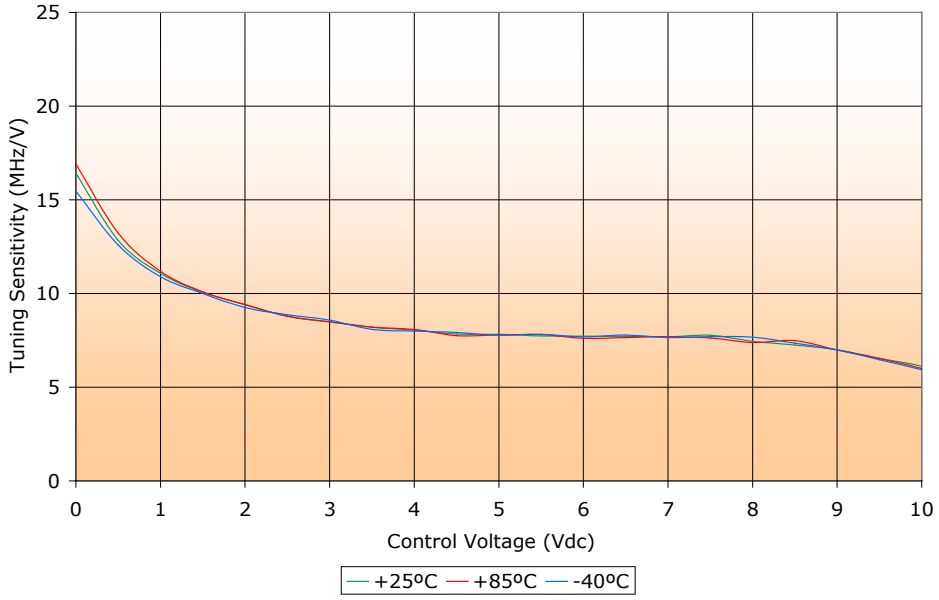

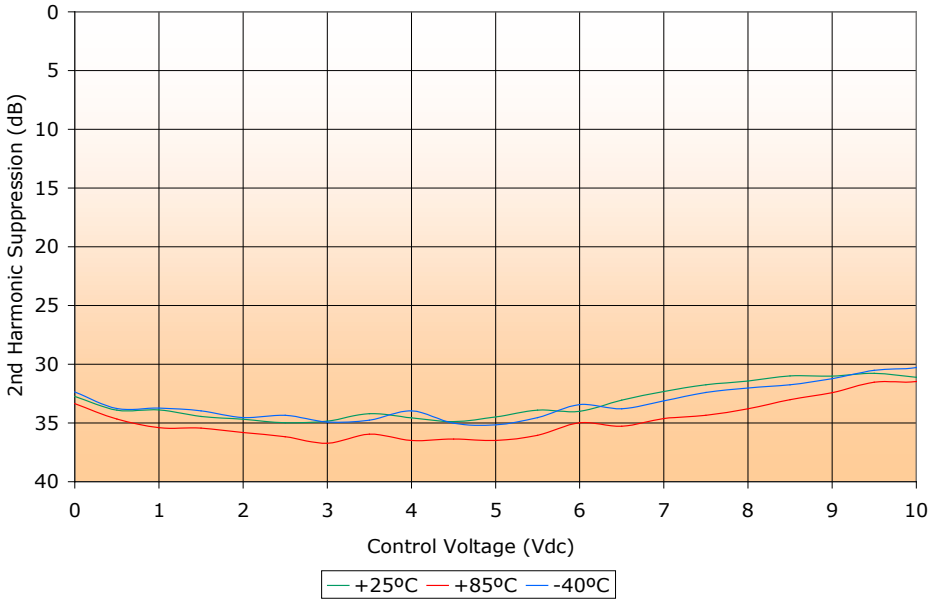

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