

VOLTAGE CONTROLLED OSCILLATOR

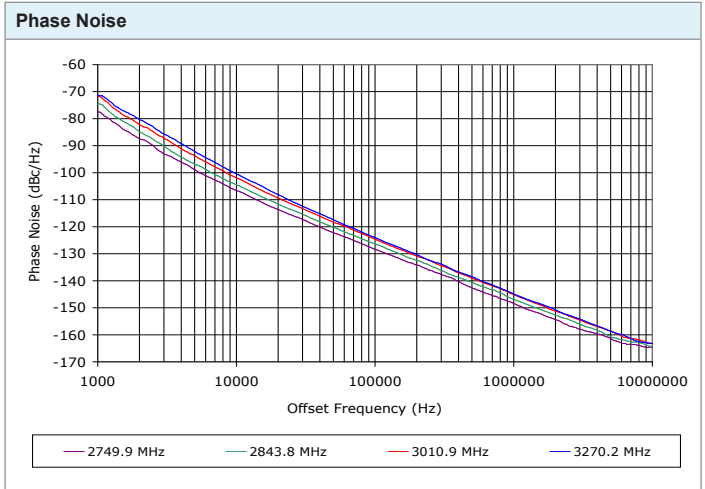
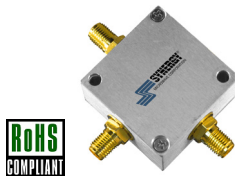
CONNECTORIZED MODEL: KDCRO275327-10

OPTIMIZED BANDWIDTH

2750 - 3270 MHz

FEATURES:

- ▶ Exceptional Phase Noise Performance
- ▶ Planar Resonator Construction



SPECIFICATIONS

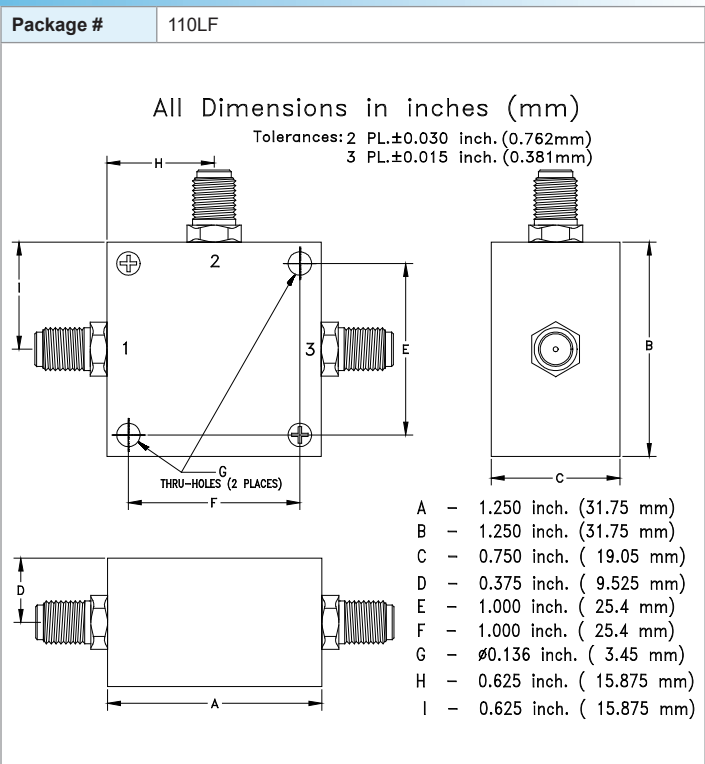
Frequency	2750 - 3270 MHz
Tuning Voltage	See table below.
Bias Voltage	+10 VDC @ 39 mA (Max.)
Output Power	+4 dBm (Min.)
Tuning Sensitivity	14 - 38 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	20 dB (Typ.)
Frequency Pulling	5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	5 MHz/V (Typ.)
Tuning Port Capacitance	50 pF (Typ.)
Phase Noise @ 10 kHz	-104 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	2750 (Max.)
7	2800 (Min.)
14	2975 (Min.)
21	3175 (Min.)
26	3270 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+10.5 V
Tuning Voltage	+28 V
DC Voltage Applied to RF Out	±25 V



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 201 McLean Boulevard • Paterson, New Jersey 07504 USA
 Tel: (973) 881-8800 • Fax: (973) 881-8361
 E-Mail: sales@synergymwave.com • Website: <http://www.synergymwave.com>
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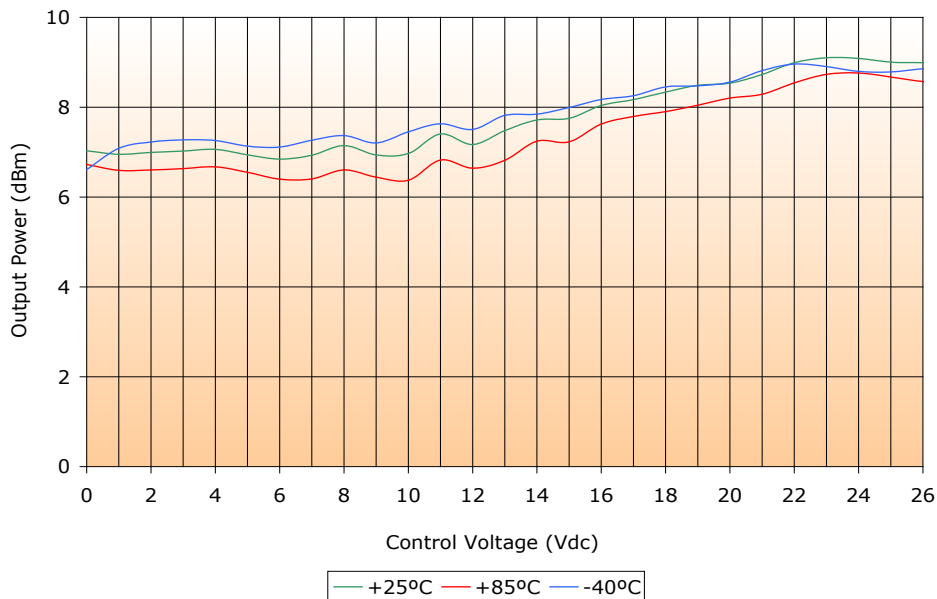
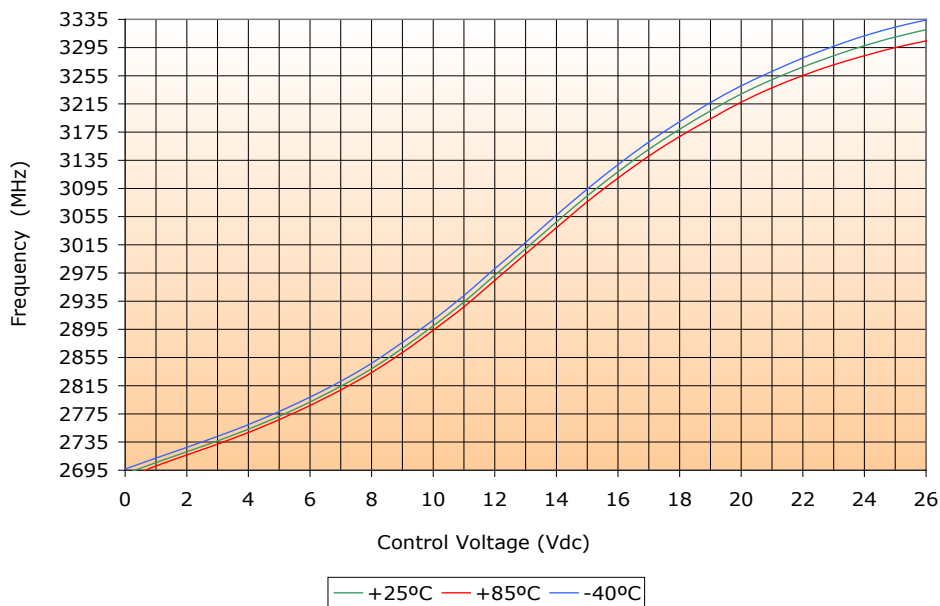
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201 McLean Boulevard • Paterson, New Jersey 07504 USA
Tel: (973) 881-8800 • Fax: (973) 881-8361
E-Mail: sales@synergymwave.com • Website: <http://www.synergymwave.com>
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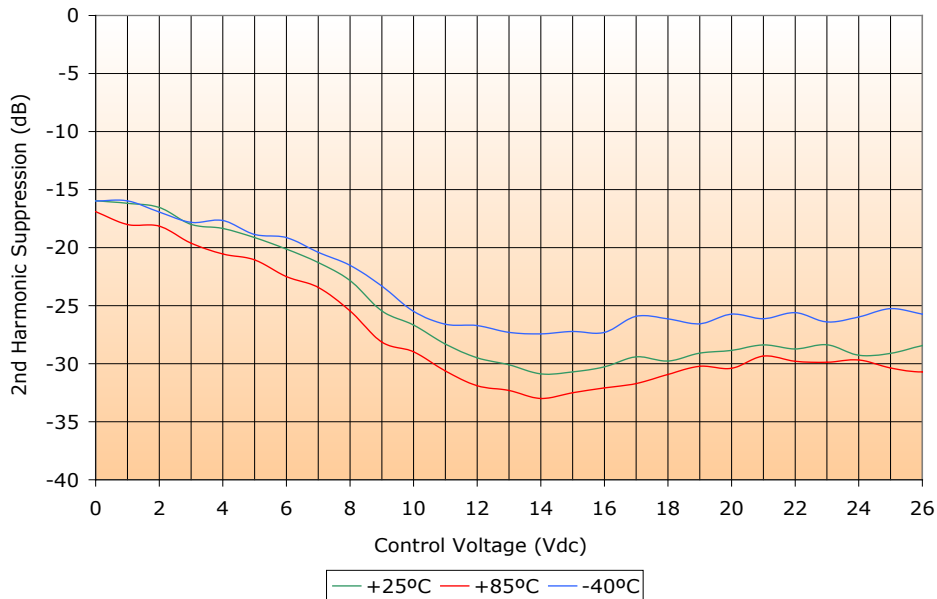
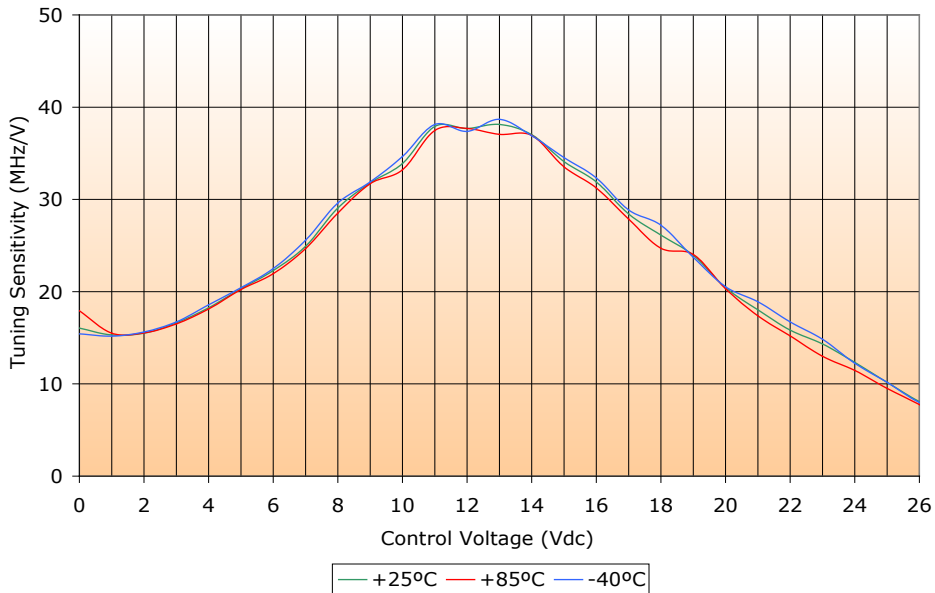
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