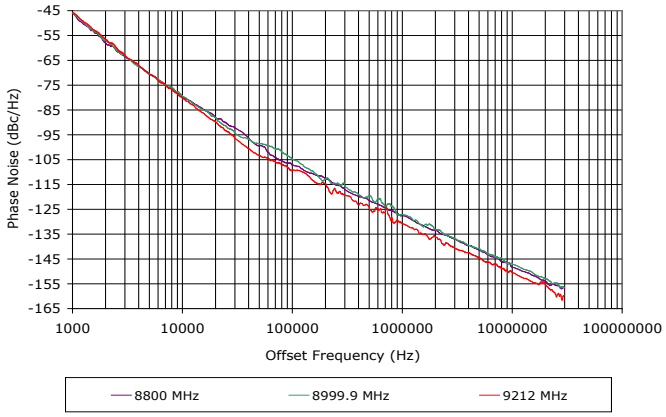
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DXO880920-5

X-BAND OPTIMIZED BANDWIDTH 8800 - 9200 MHz

FEATURES:

- Miniature Size, Surface Mount (0.3" x 0.3")
- Low Phase Noise Performance
- Fast Tuning
- Planar Resonator Construction
- Lead Free Patented REL-PRO® Technology

Phase Noise



SPECIFICATIONS (Rev. E 04/22/16)

Frequency	8800 - 9200 MHz
Tuning Voltage	See table below.
Bias Voltage	+5 VDC @ 26.4 mA (Max.)
Output Power	+0 dBm (Min.)
Tuning Sensitivity	90 - 160 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	10 dB (Typ.)
Frequency Pulling	25 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	12 MHz/V (Typ.)
Tuning Port Capacitance	1.5 pF (Typ.)
Phase Noise @ 10 kHz	-80 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

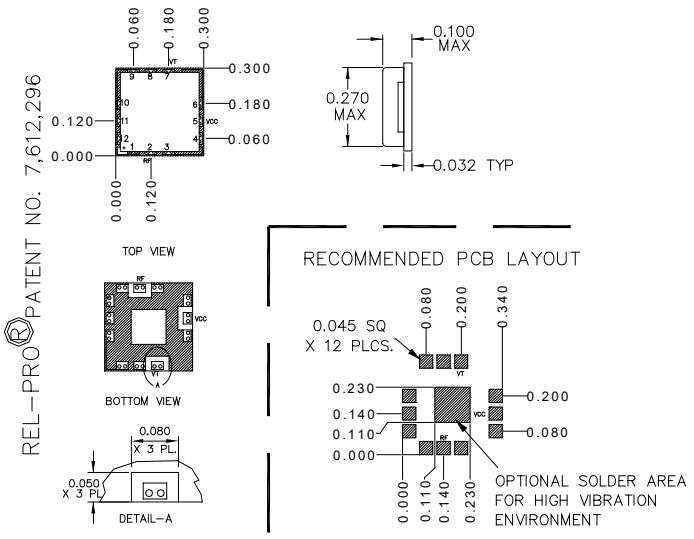
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	8800 (Max.)
15	9200 (Min.)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 ºC
Bias Voltage	+5.5 V
Tuning Voltage	+18
DC Voltage Applied to RF Out	± 25 V

Package #	364LF



PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 AND AN7302

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015

DIMENSIONS ARE IN INCHES. ALL UNLABELED PINS TO BE GROUNDED.

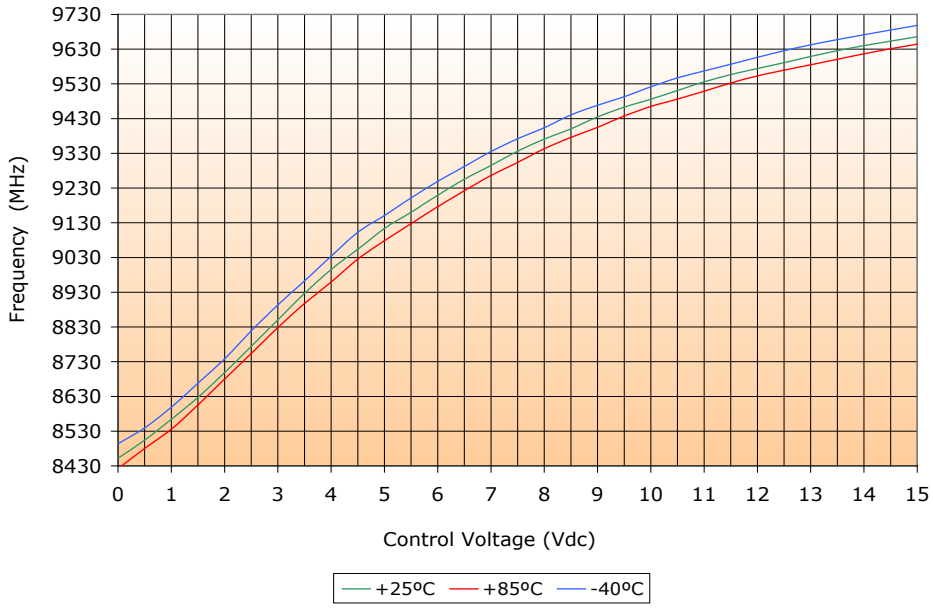
201 McLean Boulevard • Paterson, New Jersey 07504 USA
Tel: (973) 881-8800 • Fax: (973) 881-8361
E-Mail: sales@synergymwave.com • Website: http://www.synergymwave.com
Patents : http://www.synergymwave.com/patents

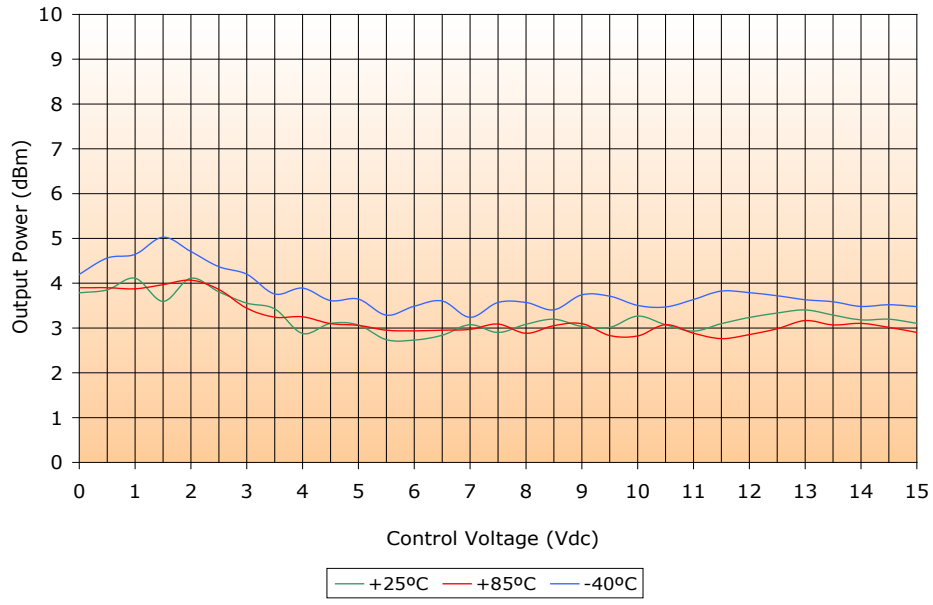
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DXO880920-5

X-BAND OPTIMIZED BANDWIDTH 8800 - 9200 MHz

PERFORMANCE PLOTS





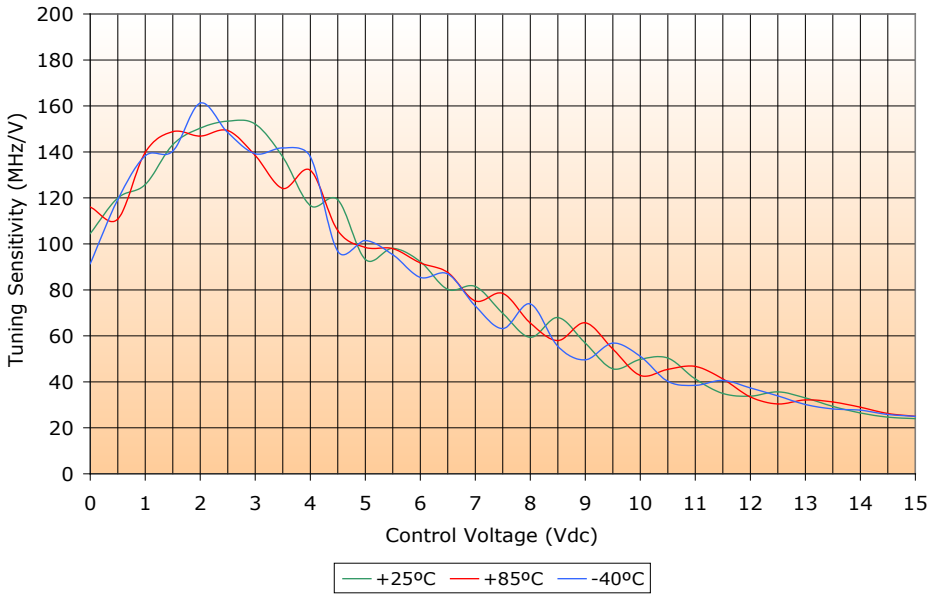
201 McLean Boulevard • Paterson, New Jersey 07504 USA
Tel: (973) 881-8800 • Fax: (973) 881-8361
E-Mail: sales@synergymwave.com • Website: http://www.synergymwave.com
Patents : http://www.synergymwave.com/patents

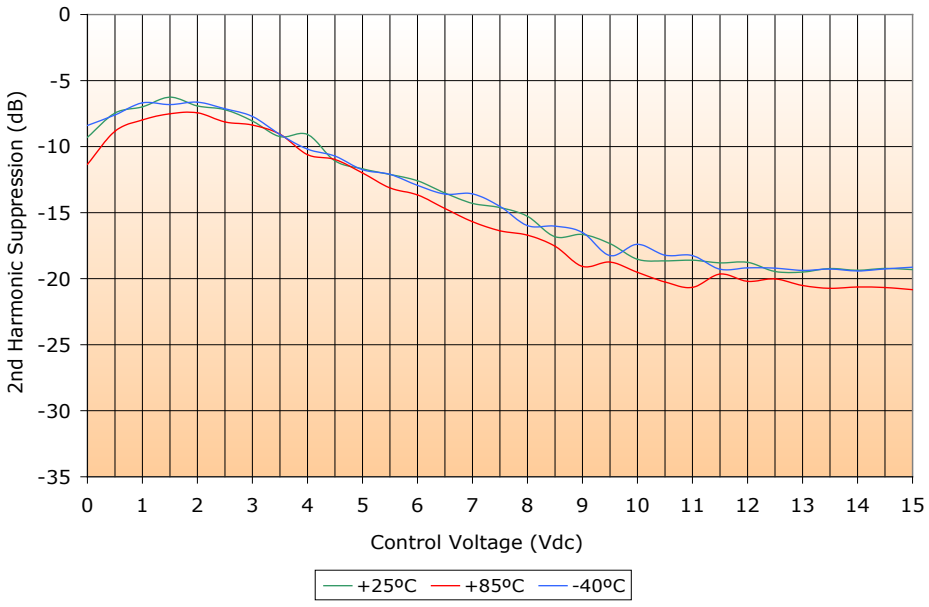
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DXO880920-5

X-BAND OPTIMIZED BANDWIDTH 8800 - 9200 MHz

PERFORMANCE PLOTS





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
Patents : http://www.synergymwave.com/patents

SYNERGY® MICROWAVE CORPORATION