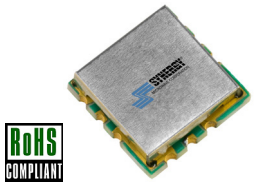
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCO535645-5

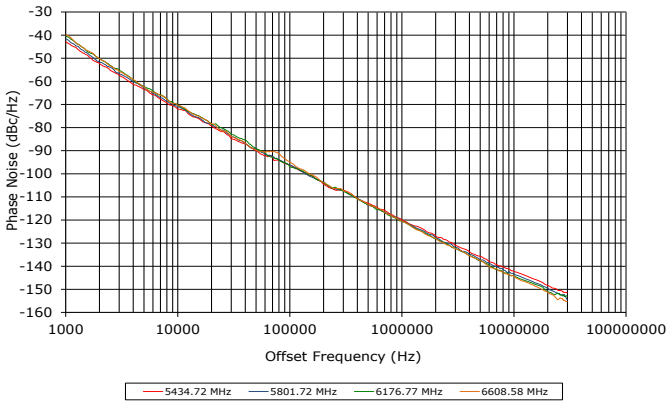
OPTIMIZED BANDWIDTH — 5350 - 6450 MHz

FEATURES:
- Fast Tuning
- Ideal fo PLL applications
- Smal Size, Surface Mount



RoHS COMPLIANT

Phase Noise



SPECIFICATIONS

Frequency	5350 - 6450 MHz
Tuning Voltage	0.5 - 15 V
Bias Voltage	+5 VDC @ 30 mA (Max.)
Output Power	-3 dBm (Min.)
Tuning Sensitivity	120 - 220 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	20 dB (Typ.)
Frequency Pulling	15 MHz/V (Typ.)
Frequency Pushing	10 MHz/V (Typ. @ 1.75:1 VSWR)
Tuning Port Capacitance	30 pF (Typ.)
Typical Phase Noise	

Offset	dBc/Hz
1 kHz	-42
10 kHz	-72
100 kHz	-98
1 MHz	-120
10 MHz	-142

Operating Temperature Range	-40 to +85 °C

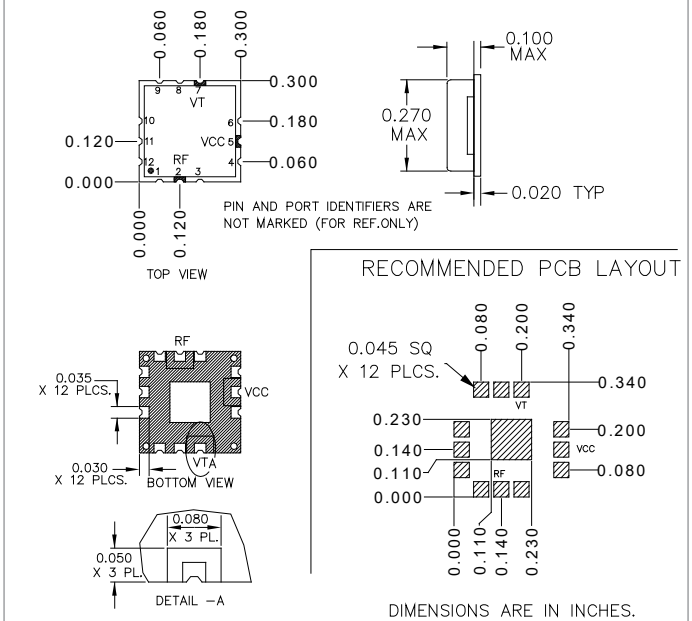
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	5350 (Max.)
15	6450 (Min.)

Absolute Maximum Ratings

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

Package # 343



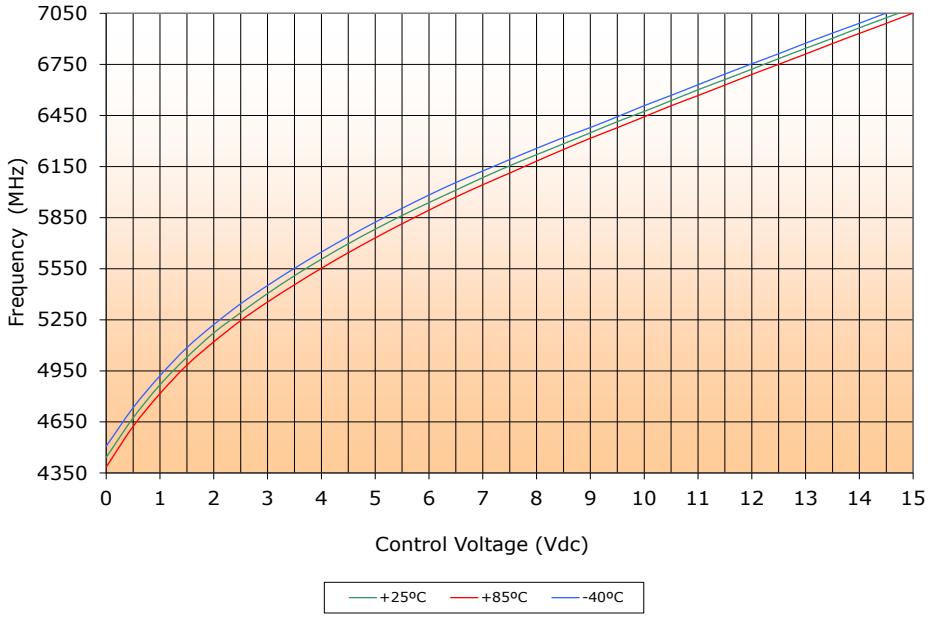
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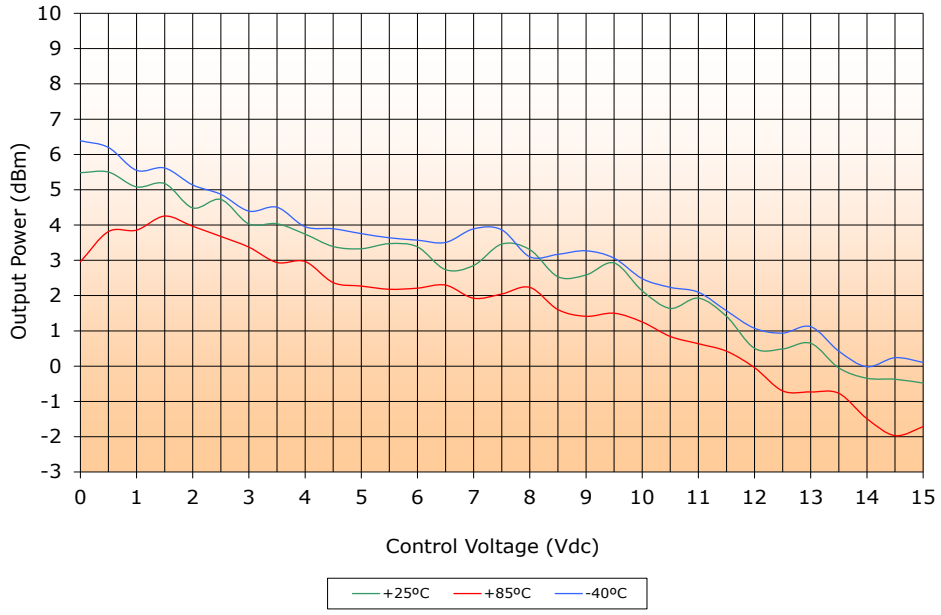
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCO535645-5

OPTIMIZED BANDWIDTH 5350 - 6450 MHz

PERFORMANCE PLOTS





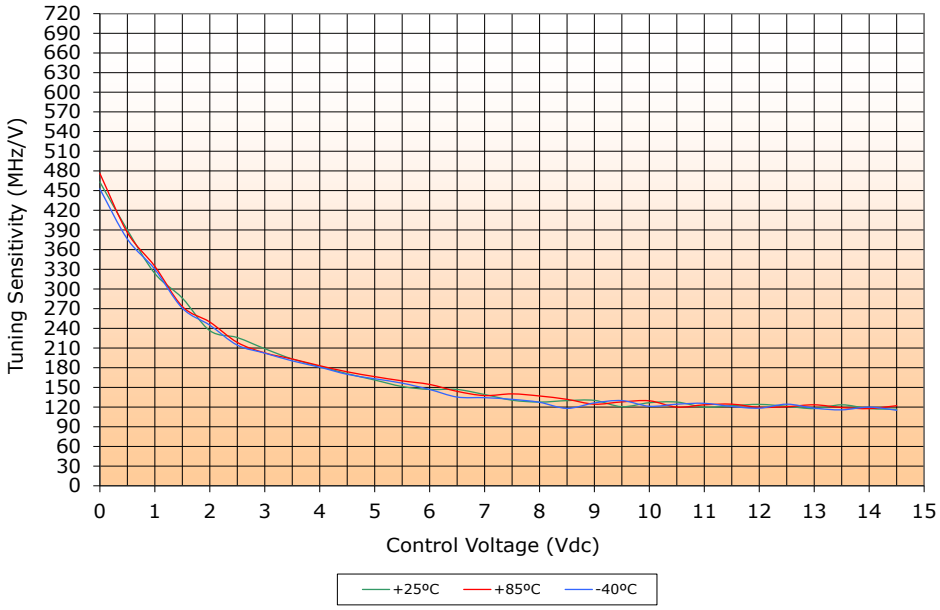
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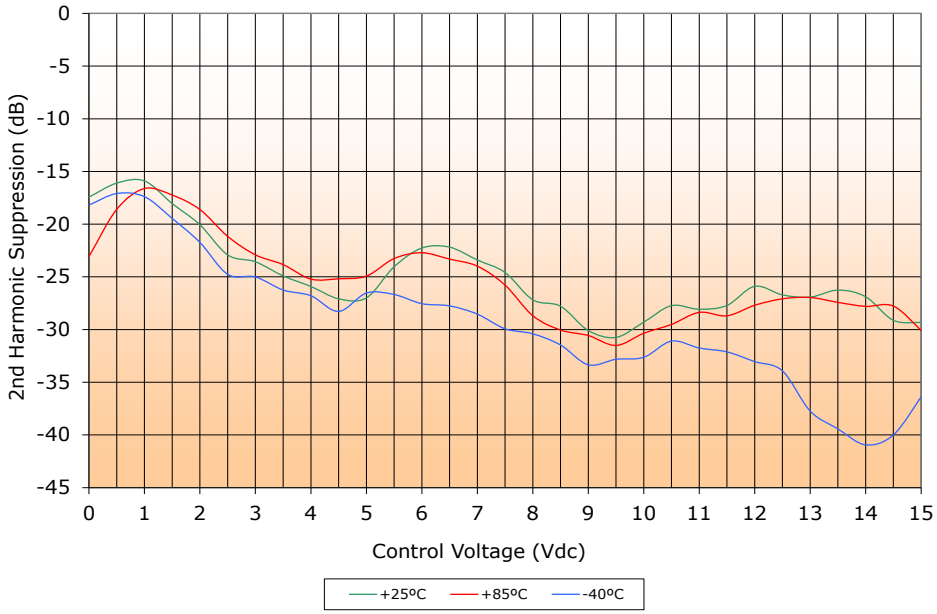
SYNERGY® MICROWAVE CORPORATION

VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCO535645-5

OPTIMIZED BANDWIDTH 5350 - 6450 MHz

PERFORMANCE PLOTS





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