

VOLTAGE CONTROLLED OSCILLATOR

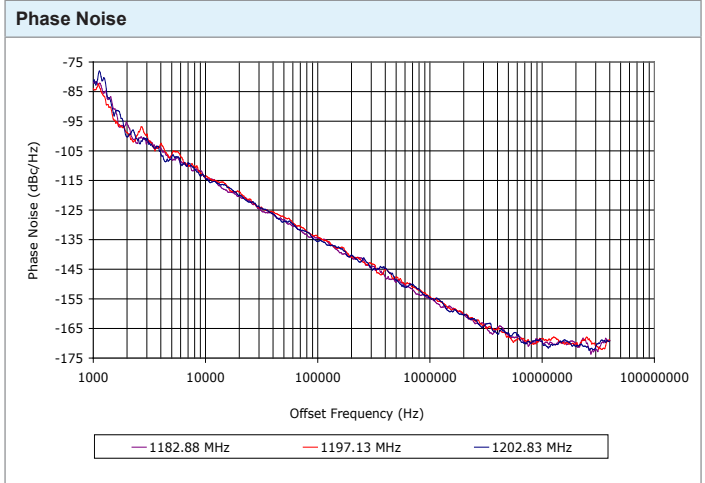
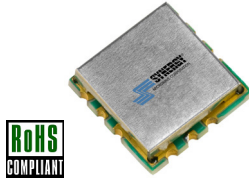
SURFACE MOUNT MODEL: DCO1198-8

OPTIMIZED BANDWIDTH

1195 - 1205 MHz

FEATURES:

- ▶ Miniature Size, Surface Mount (0.3"x0.3")
- ▶ Superb Phase Noise Performance
- ▶ Optimized Narrow Band Tuning



SPECIFICATIONS (Rev. B 01/09/14)

Frequency	1195 - 1205 MHz	
Tuning Voltage	0.5 - 8 V	
Bias Voltage	+8 VDC @ 30 mA (Max.)	
Output Power	10 dBm (Min.)	
Tuning Sensitivity	5 - 7 MHz/V (Typ.)	
Output Impedance	50 Ohms (Nom.)	
Harmonic Suppression	12 dB (Typ.)	
Frequency Pulling	2 MHz (Typ. @ 1.75:1 VSWR)	
Frequency Pushing	1 MHz/V (Typ.)	
Tuning Port Capacitance	33 pF (Typ.)	
Typical Phase Noise	Offset	dBc/Hz
	10 kHz	-115
	100 kHz	-135
Operating Temperature Range	-40 to +85 °C	

Package # 343

RECOMMENDED PCB LAYOUT

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7300 & AN7302

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015

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

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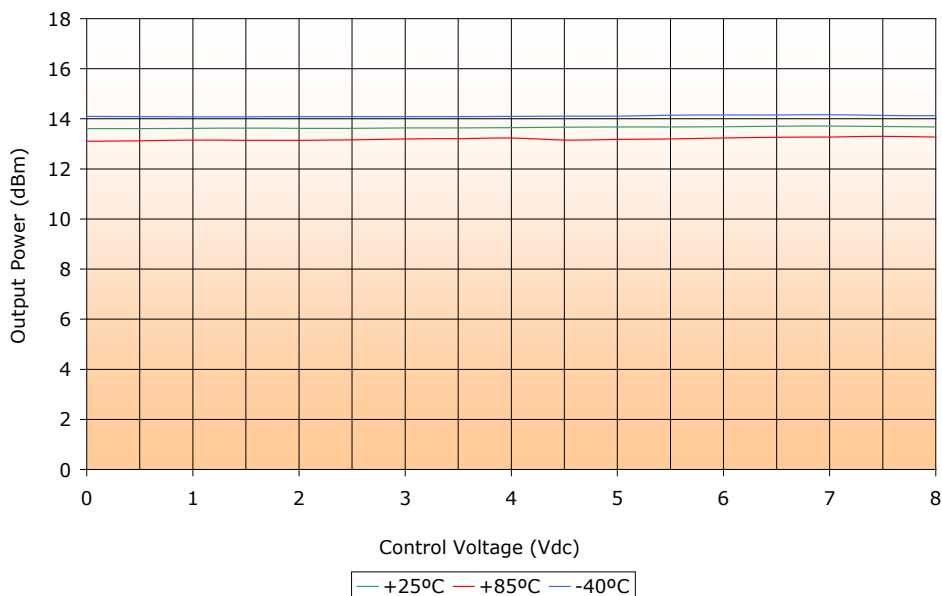
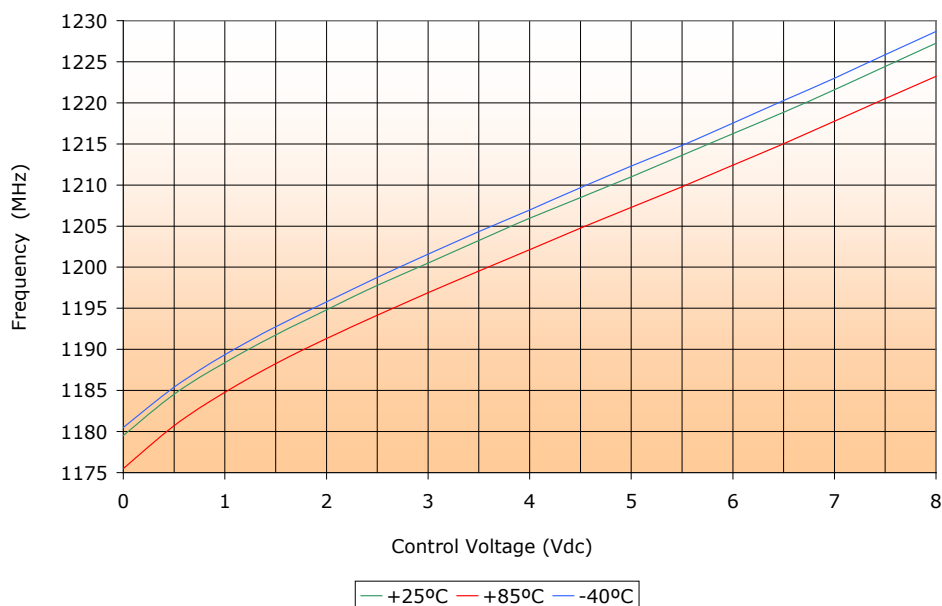


VOLTAGE CONTROLLED OSCILLATOR SURFACE MOUNT MODEL: DCO1198-8

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PERFORMANCE PLOTS



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