CRO3580A-LF

VOLTAGE CONTROLLED OSCILLATOR

Rev A1

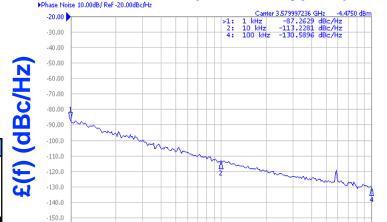


FEATURES

- Frequency Range: 3575 3585 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 Style Package

APPLICATIONS

- Point to Point Radio
- Fixed Wireless Equipment
- Satellite Communications



PHASE NOISE (1 Hz BW, typical)

OFFSET (Hz)

- Catomic Communications		
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	3575 - 3585	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-112	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	8	MHz/V
Power Output	3±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	17	mA
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-160.0

-170.0 -180.0

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

- AN-100/1: Mounting and Grounding of VCOs
- AN-102: Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

