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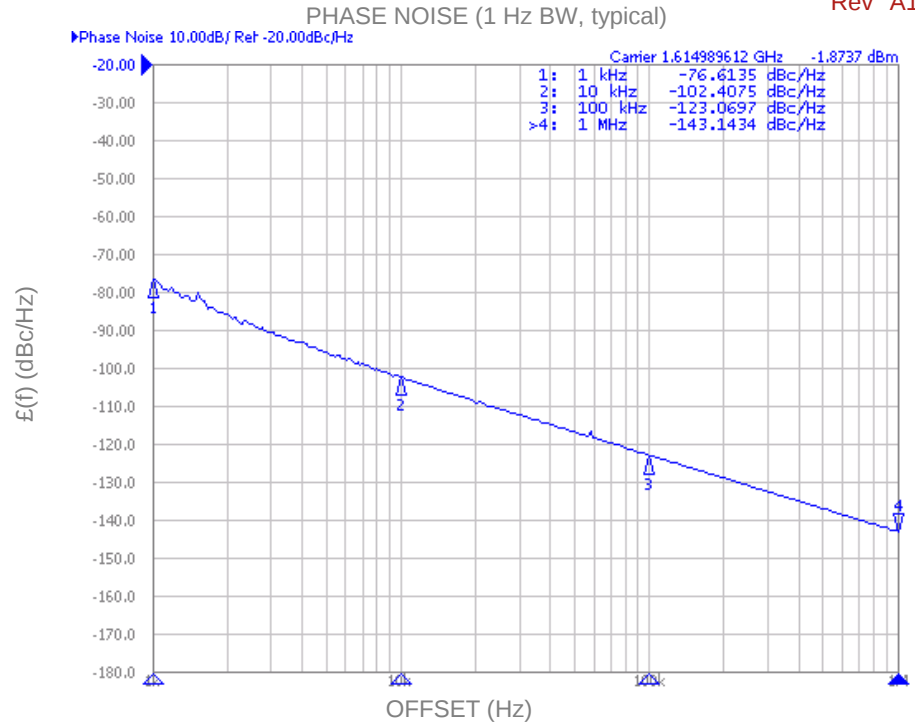
Voltage-Controlled Oscillator Surface Mount Module

Applications

- CATV Headend
- Test Equipment
- Downconvertors

Application Notes

- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1420		1810	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-101		dBc/Hz
Harmonic Suppression (2nd)		-15	-11	dBc
Tuning Voltage	1		18	Vdc
Tuning Sensitivity (avg.)		40		MHz/V
Power Output	3	5	7	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		10		Vdc
Supply Current (Icc)		14	18	mA

Additional Notes

