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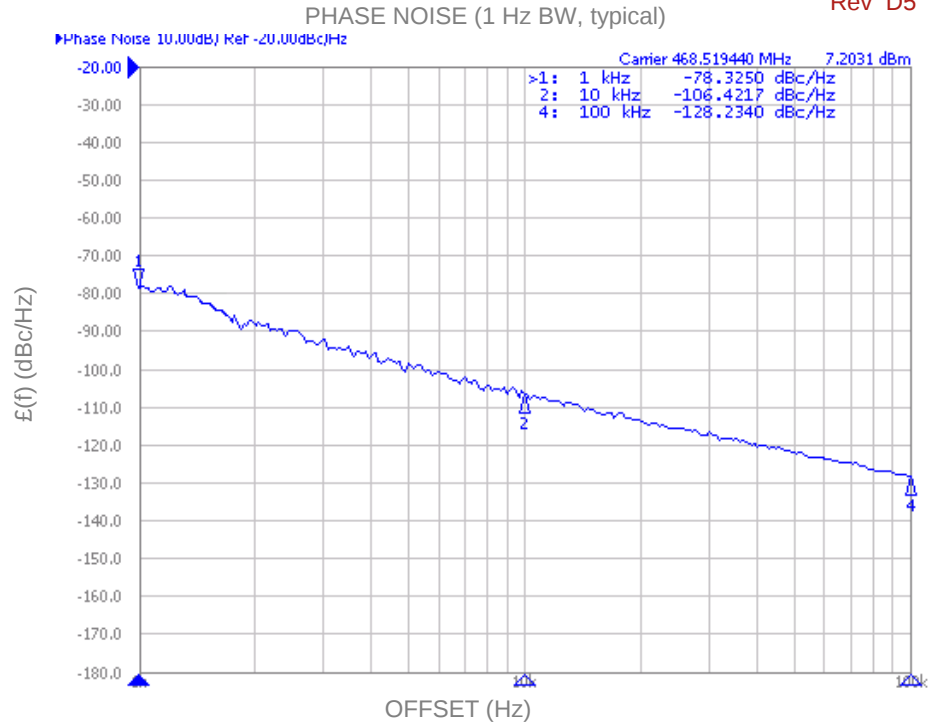
Voltage-Controlled Oscillator Surface Mount Module

Applications

- CATV
- Portable Communications
- RF Modems

Application Notes

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



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	465		810	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-105		dBc/Hz
Harmonic Suppression (2nd)		-12		dBc
Tuning Voltage	0.5		8	Vdc
Tuning Sensitivity (avg.)		58		MHz/V
Power Output	7	10	13	dBm
Load Impedance		50		Ω
Input Capacitance			150	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range	0		70	$^{\circ}\text{C}$
Package Style	MINI-14S-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		12		Vdc
Supply Current (Icc)		25	30	mA

Additional Notes

