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Voltage-Controlled Oscillator Surface Mount Module

Applications

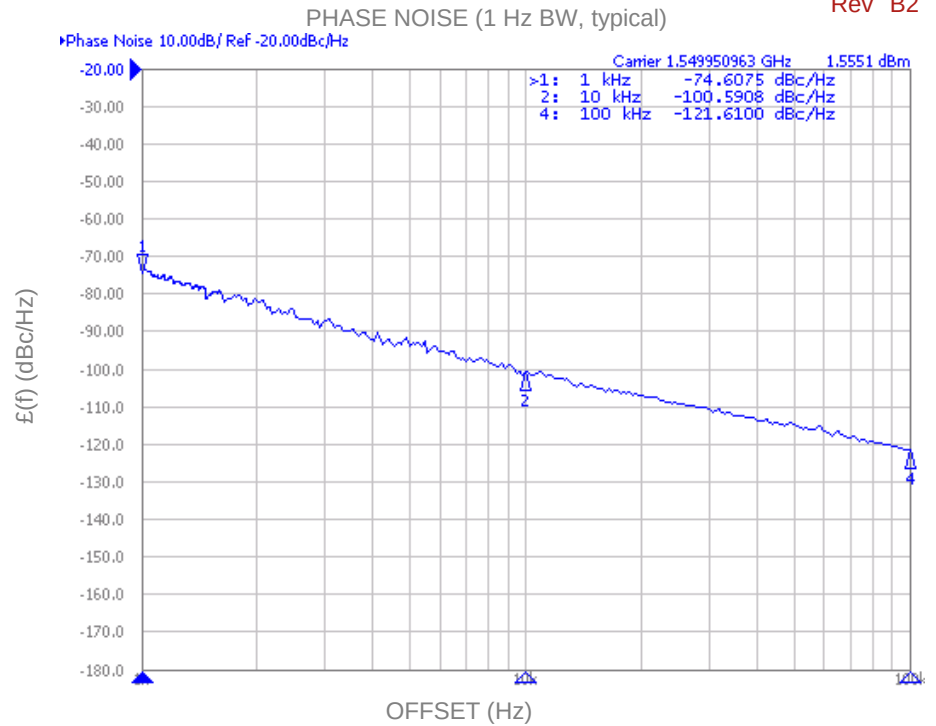
- Earthstations
- Satellite Communications
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Application Notes

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

V58ME60-LF

Rev B2



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	950		2150	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-7		dBc
Tuning Voltage	0.5		22	Vdc
Tuning Sensitivity (avg.)		65		MHz/V
Power Output	5	7.5	10	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			2	MHz/V
Pulling (14 dB Return Loss, Any Phase)			9	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.)		12		Vdc
Supply Current (Icc)		17	20	mA

Additional Notes

