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Voltage-Controlled Oscillator Surface Mount Module

Applications

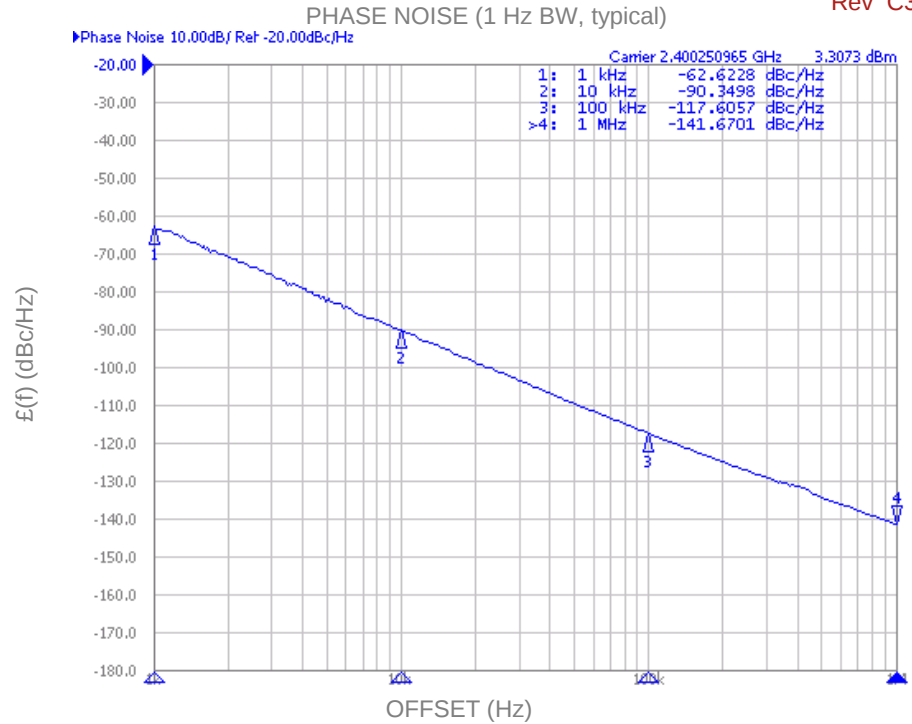
- Test Instrumentation
- CATV Headend Equipment
- Satellite Communication Systems

Application Notes

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

V600ME10-LF

Rev C3



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1600		3200	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-89		dBc/Hz
Harmonic Suppression (2nd)		-25	-18	dBc
Tuning Voltage	0.5		20	Vdc
Tuning Sensitivity (avg.)		108		MHz/V
Power Output	4	8	12	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			16	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16-L		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		26	32	mA

Additional Notes

LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

