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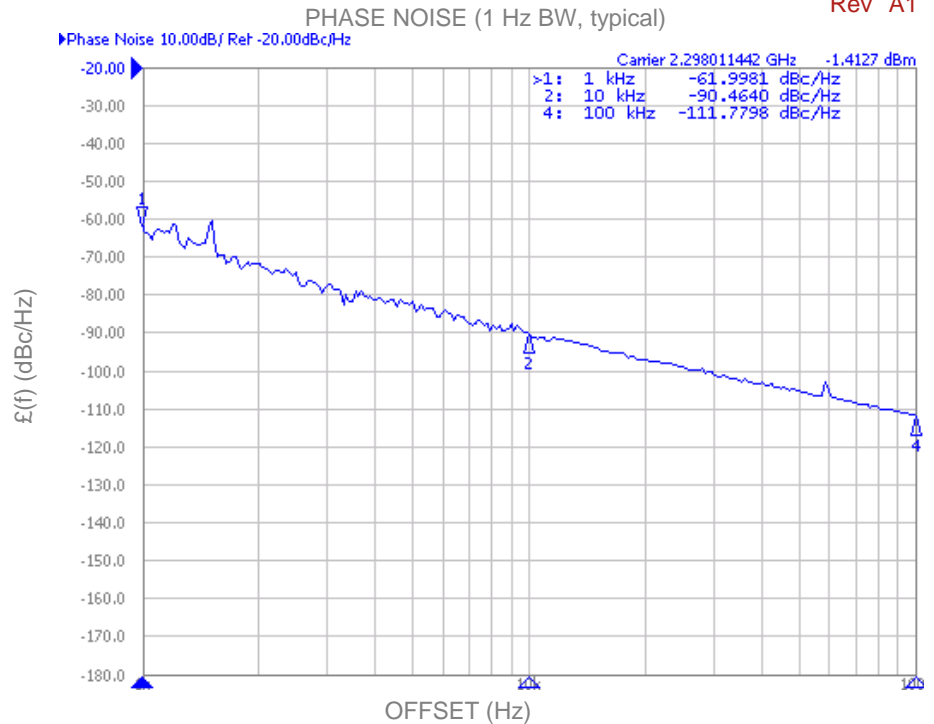
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Mobile Radios
- Satellite Communication Terminals
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Application Notes

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



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2298		2298	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-91		dBc/Hz
Harmonic Suppression (2nd)		-15	-10	dBc
Tuning Voltage	0		2.5	Vdc
Tuning Sensitivity (avg.)		147		MHz/V
Power Output	1	4	7	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			10	MHz/V
Pulling (20. dB Return Loss, Any Phase)			8	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2.8		Vdc
Supply Current (Icc)		13	16	mA

Additional Notes

