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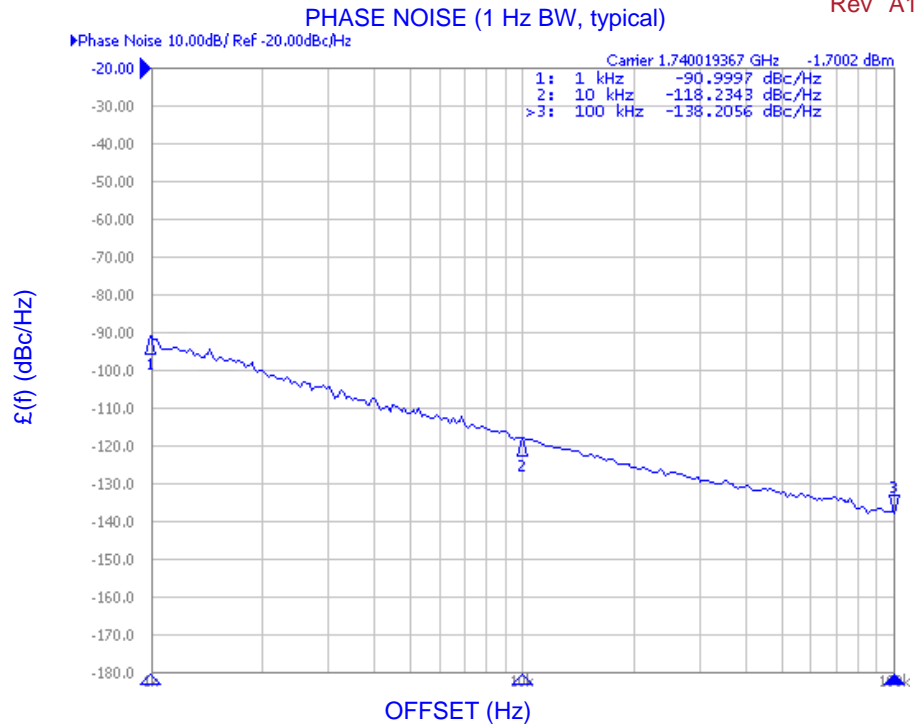
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication Systems

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	1740		1740	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-118		dBc/Hz
Harmonic Suppression (2nd)		-25	-24	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		5		MHz/V
Power Output	0	3	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			4	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		MINI-16-SM		

Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		25	30	mA

Additional Notes

Phase Noise @ 1 kHz offset (1 Hz BW) -88 (typ) dBc/Hz
 Phase Noise @ 100 kHz offset (1 Hz BW) -136 (typ) dBc/Hz

