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Voltage-Controlled Oscillator Surface Mount Module

Applications

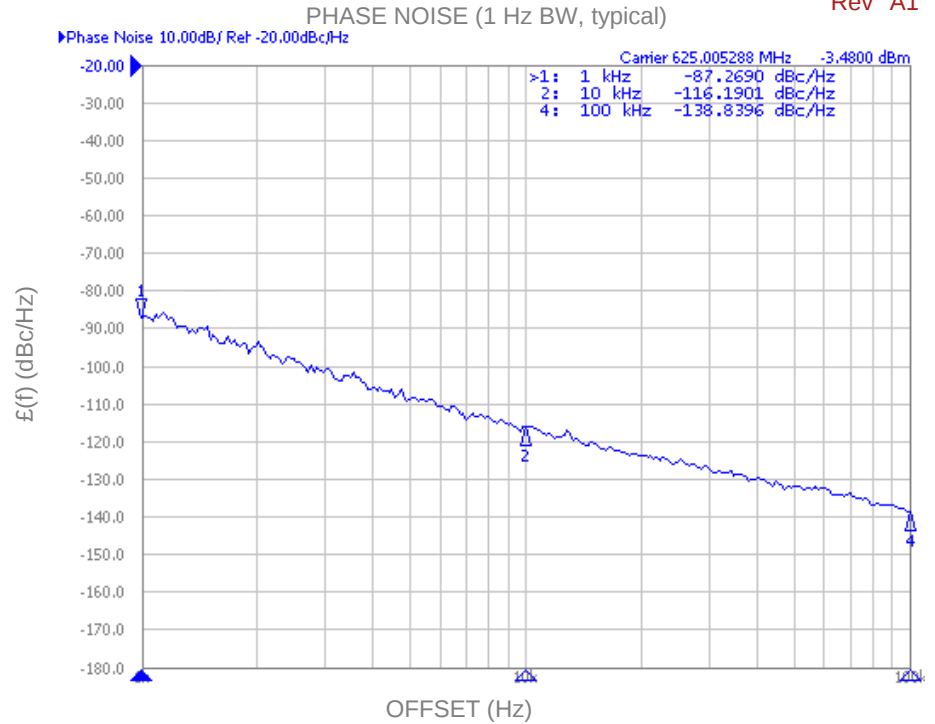
- Wireless Radios
- Basestations
- Mobile Communications

Application Notes

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

CLV0625B-LF

Rev A1



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	540		710	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-114		dBc/Hz
Harmonic Suppression (2nd)		-15	-12	dBc
Tuning Voltage	0.5		11.5	Vdc
Tuning Sensitivity (avg.)		20		MHz/V
Power Output	-2	1	4	dBm
Load Impedance		50		Ω
Input Capacitance			400	pF
Pushing			1	MHz/V
Pulling (14 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S-LOW			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3.3		Vdc
Supply Current (Icc)		27	32	mA

Additional Notes

