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Voltage-Controlled Oscillator Surface Mount Module

Applications

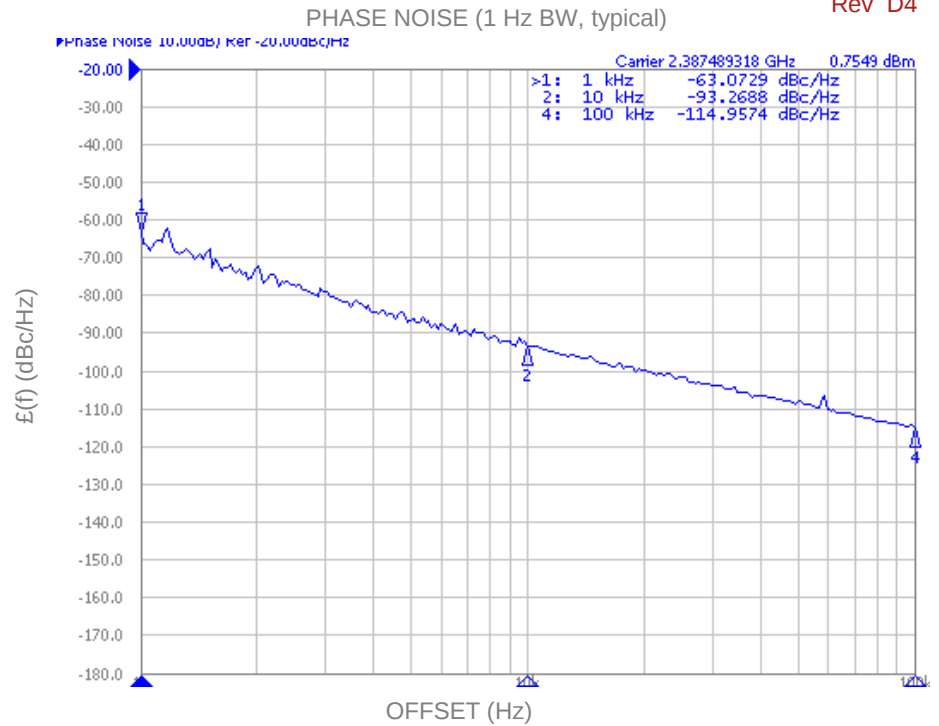
- Personal Communication Systems
- WLAN
- Portable Radios

Application Notes

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

SMV2390L-LF

Rev D4

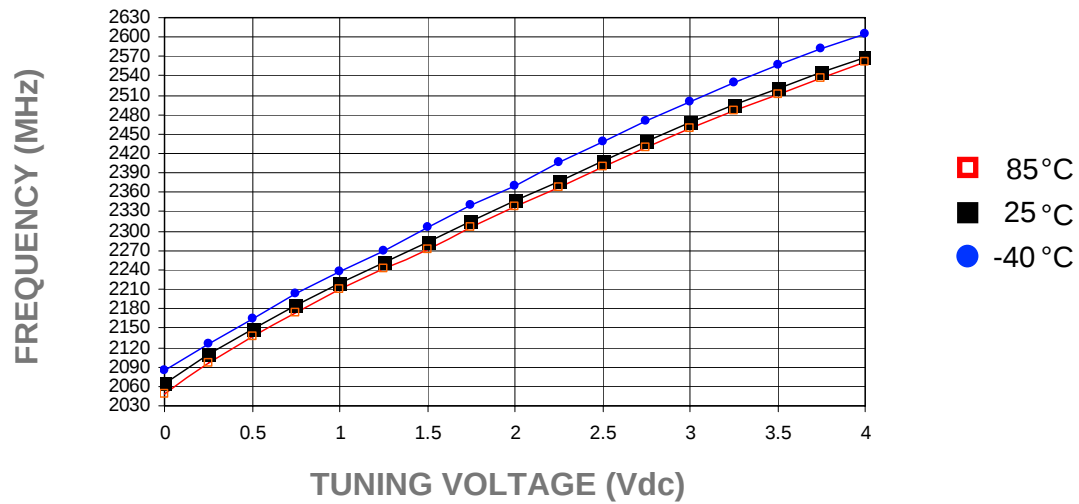


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2290		2485	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-93		dBc/Hz
Harmonic Suppression (2nd)		-9		dBc
Tuning Voltage	0		4	Vdc
Tuning Sensitivity (avg.)		130		MHz/V
Power Output	7.5	10	12.5	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			7	MHz/V
Pulling (14 dB Return Loss, Any Phase)			19	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style		SUB-L		

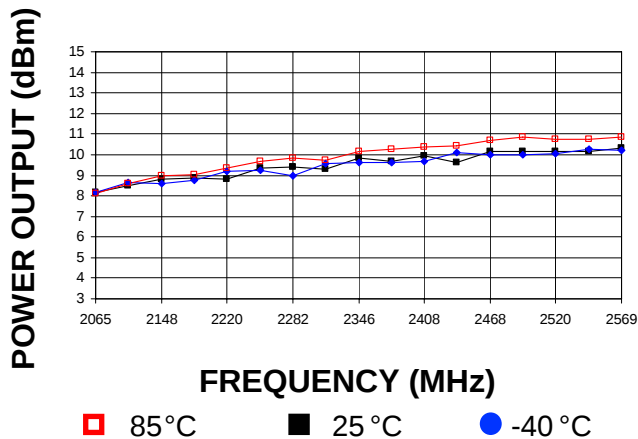
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		17	21	mA

Additional Notes

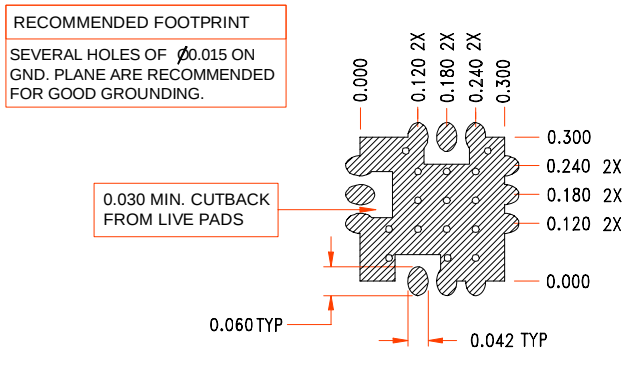
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions

