

TEL: (858) 621-2700
 URL: www.zcomm.com
 EMAIL: applications@zcomm.com

Voltage-Controlled Oscillator Surface Mount Module

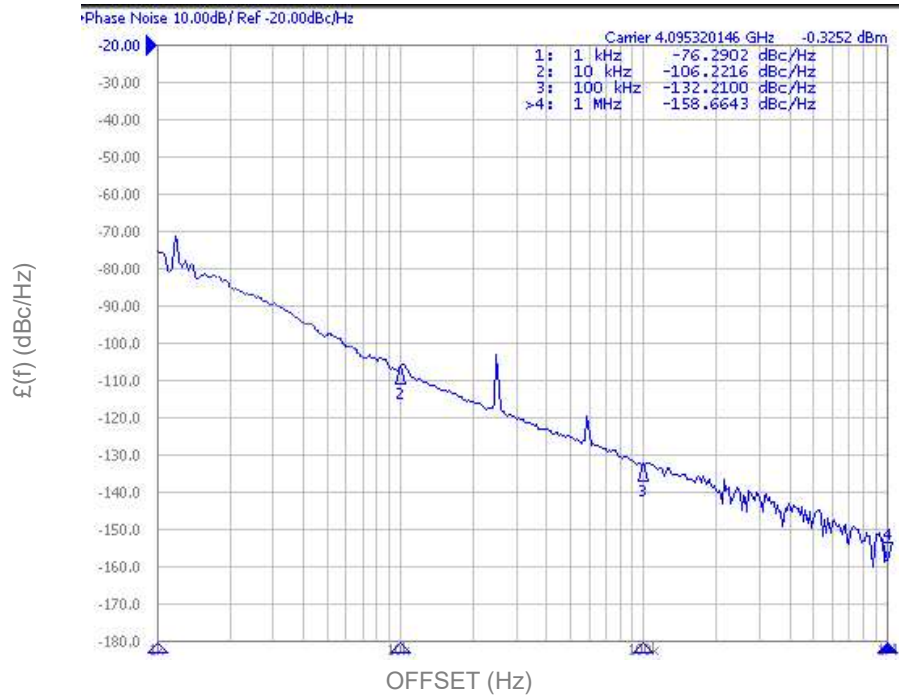
Applications

Satcom
 Radar Systems

Application Notes

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

PHASE NOISE (1 Hz BW, typical)

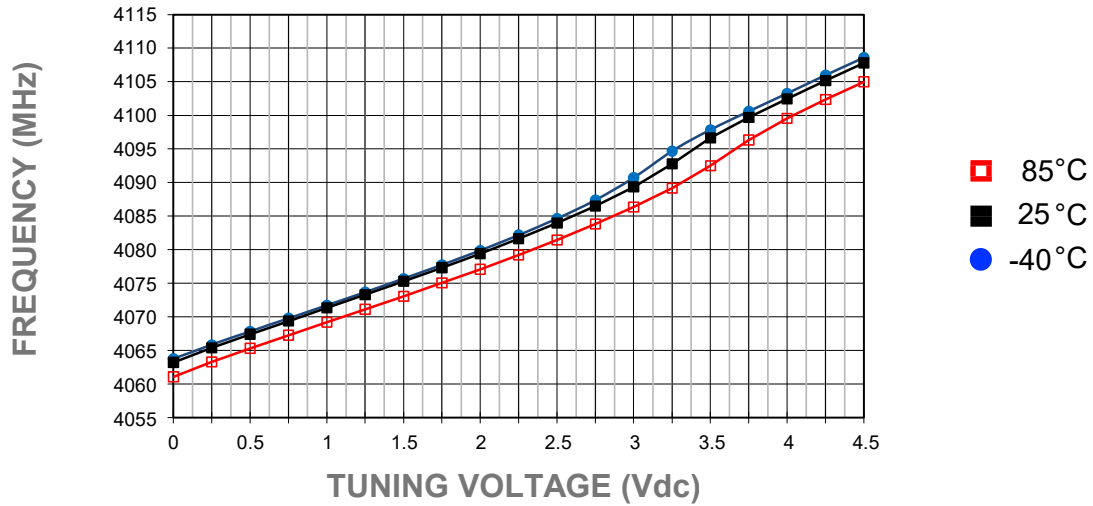


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	4087		4088	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-108		dBc/Hz
Harmonic Suppression (2nd)		-15	-12	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		8		MHz/V
Power Output	0	3.5	7	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (12 dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-16-SM			

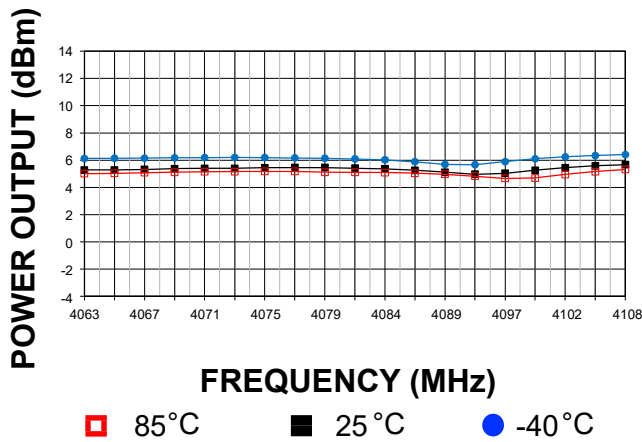
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		25	30	mA

Additional Notes

Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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