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Voltage-Controlled Oscillator Surface Mount Module

Applications

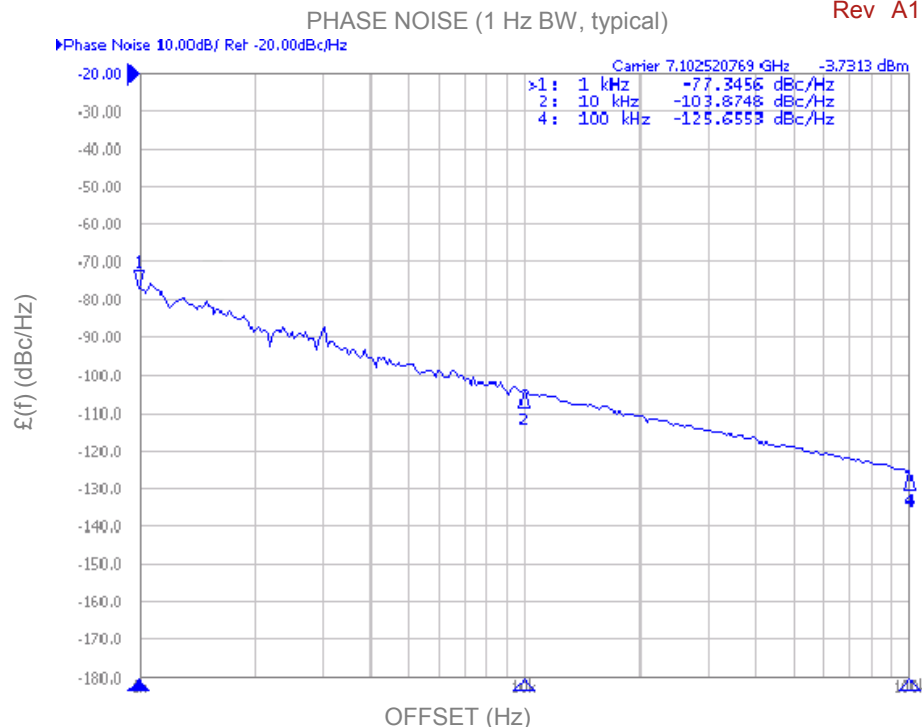
- Satellite Communications
- Radar Systems
-

Application Notes

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

CRO7100Z-LF

Rev A1



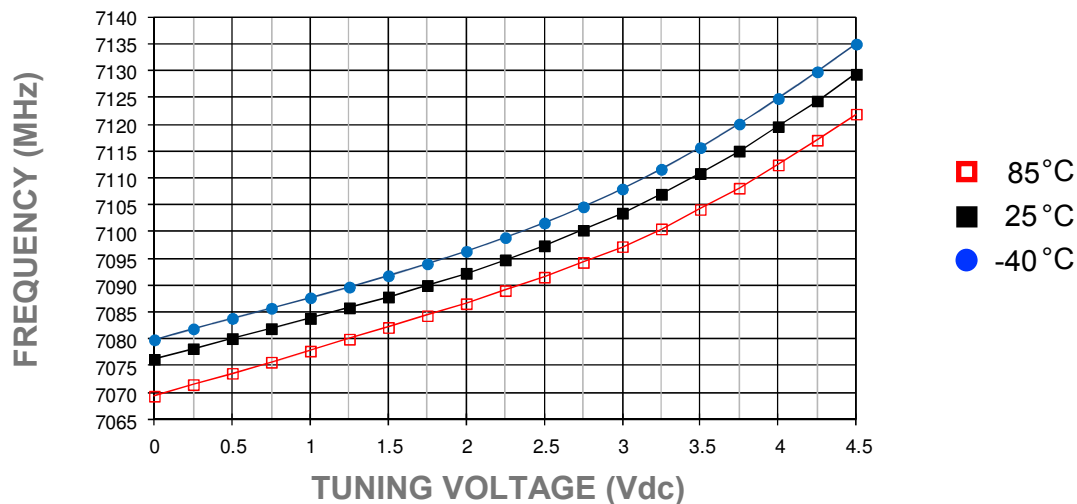
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	7090		7110	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-102		dBc/Hz
Harmonic Suppression (2nd)		-40	-30	dBc
Tuning Voltage	0.5		4.5	Vdc
Tuning Sensitivity (avg.)		10		MHz/V
Power Output	1	4	7	dBm
Load Impedance		50		Ω
Input Capacitance			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	VCO-24H			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		75	85	mA

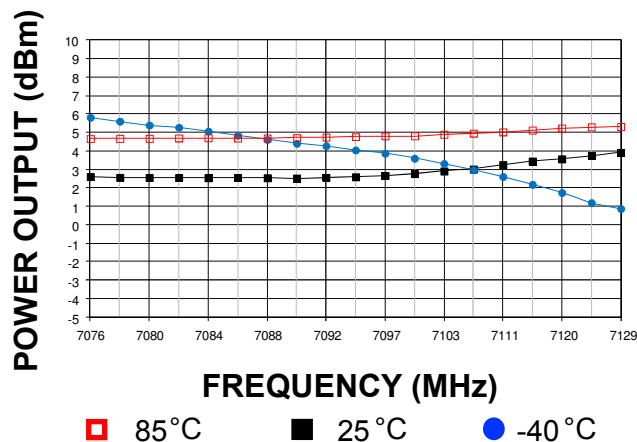
Additional Notes

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

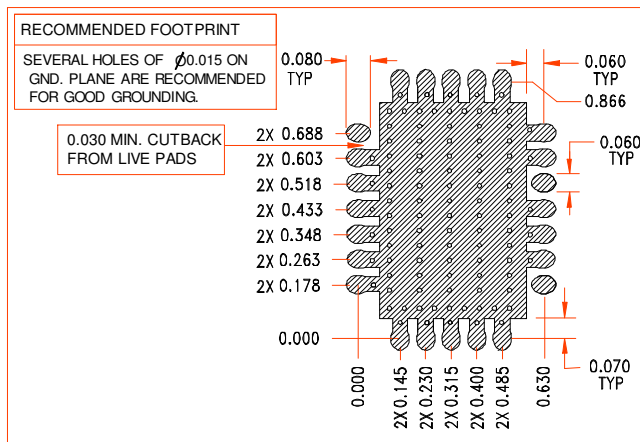
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions

