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Voltage-Controlled Oscillator Surface Mount Module

Applications

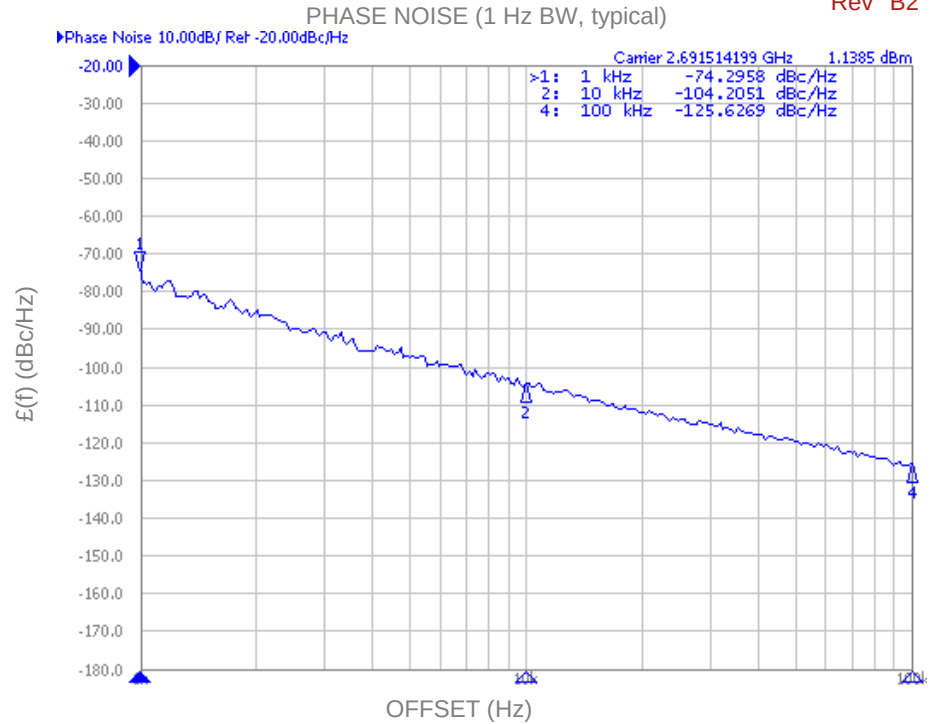
- Microwave Radios
- Fixed Wireless Access
-

Application Notes

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

CRO2695B-LF

Rev B2



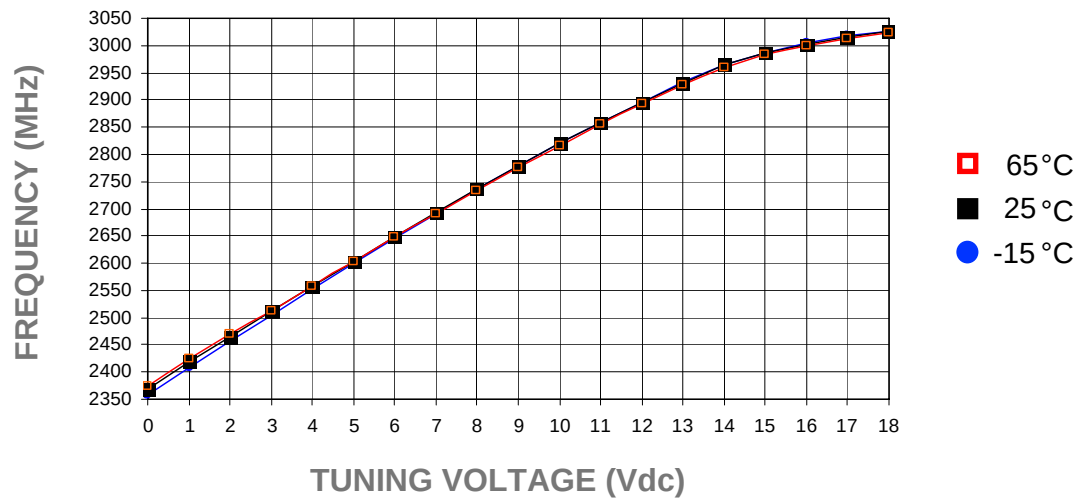
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	2475		2915	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-104		dBc/Hz
Harmonic Suppression (2nd)		-15	-12	dBc
Tuning Voltage	0.5		18	Vdc
Tuning Sensitivity (avg.)		44		MHz/V
Power Output	3	7	11	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-15		65	$^{\circ}\text{C}$
Package Style	MINI-16SM-SP			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		8		Vdc
Supply Current (Icc)		32	38	mA

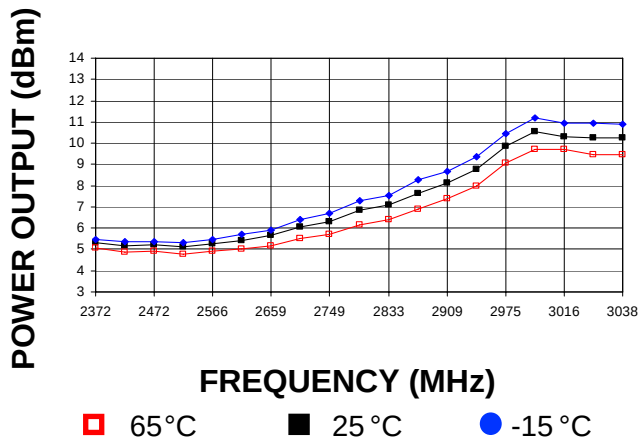
Additional Notes

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

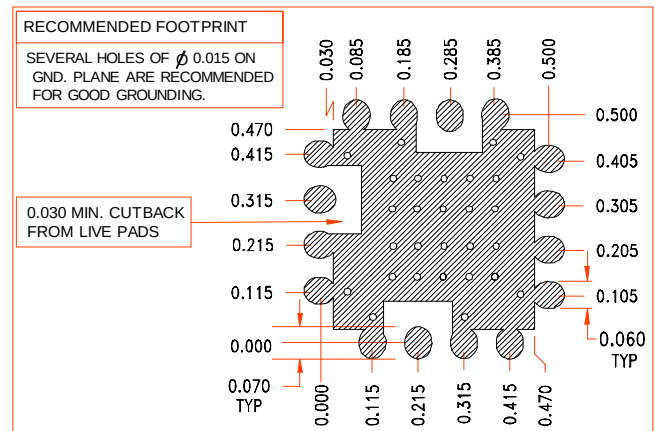
Tuning Curve, typ.



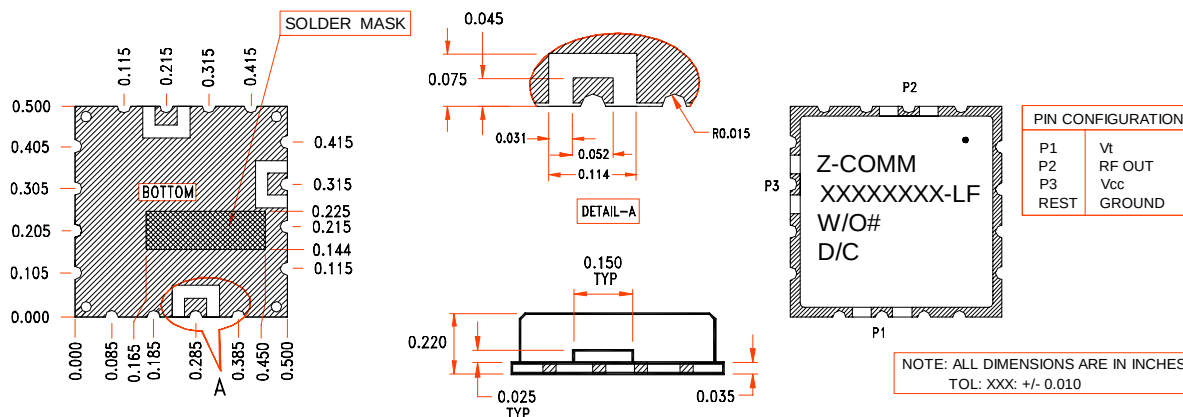
Power Curve, typ.



Footprint



Physical Dimensions



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