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Voltage-Controlled Oscillator Surface Mount Module

Applications

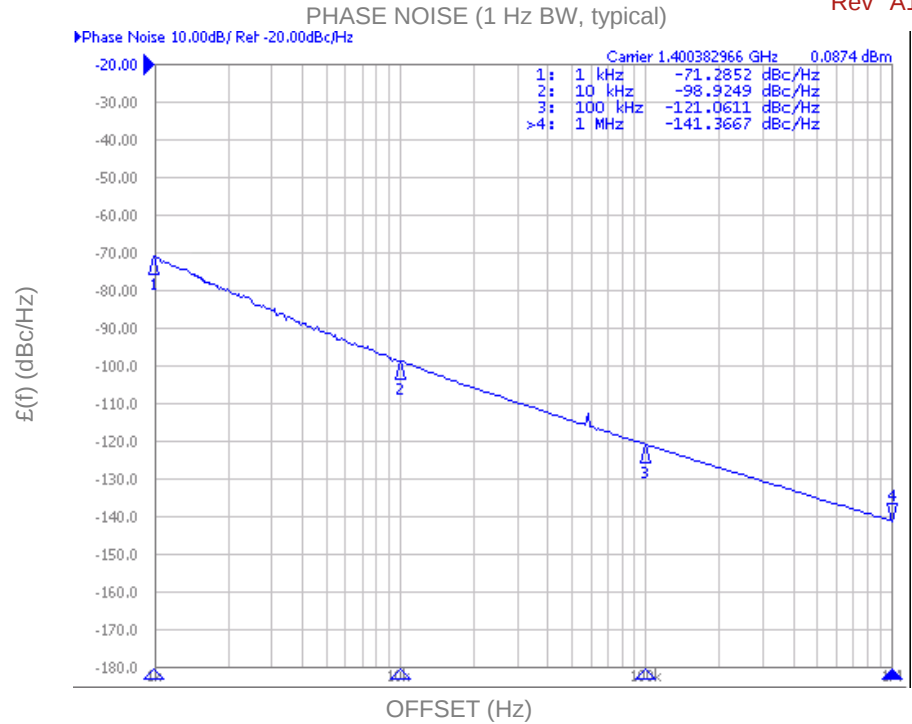
- Down converters
- Earth Stations
-

Application Notes

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

V585ME04-LF

Rev A1

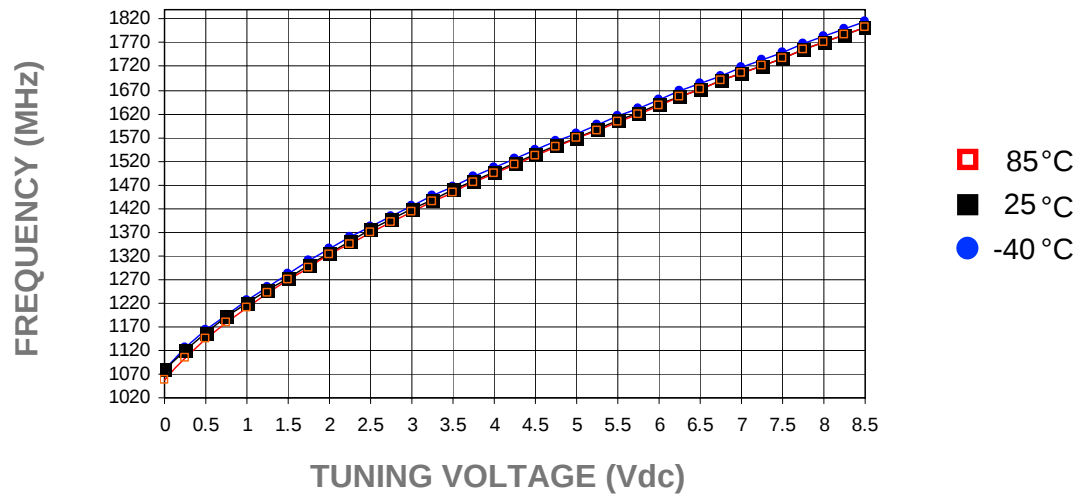


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1190		1610	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-97		dBc/Hz
Harmonic Suppression (2nd)		-5	-3	dBc
Tuning Voltage	0.5		8.5	Vdc
Tuning Sensitivity (avg.)		90		MHz/V
Power Output	3.5	6.75	10	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (14 dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Style	MINI-14S			

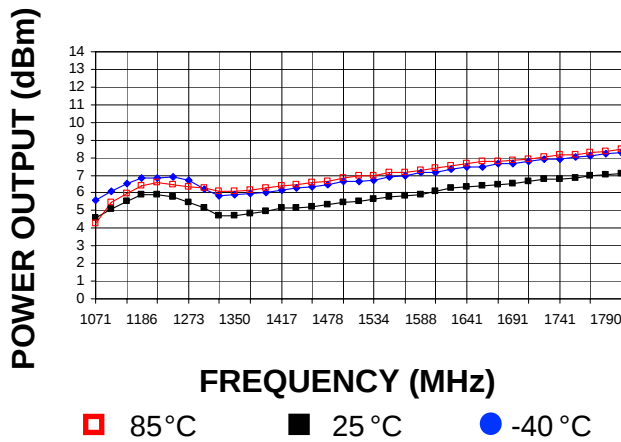
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		15	20	mA

Additional Notes

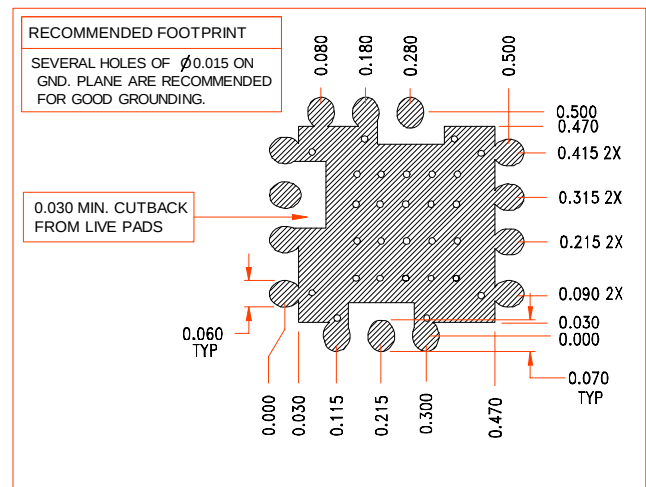
Tuning Curve, typ.



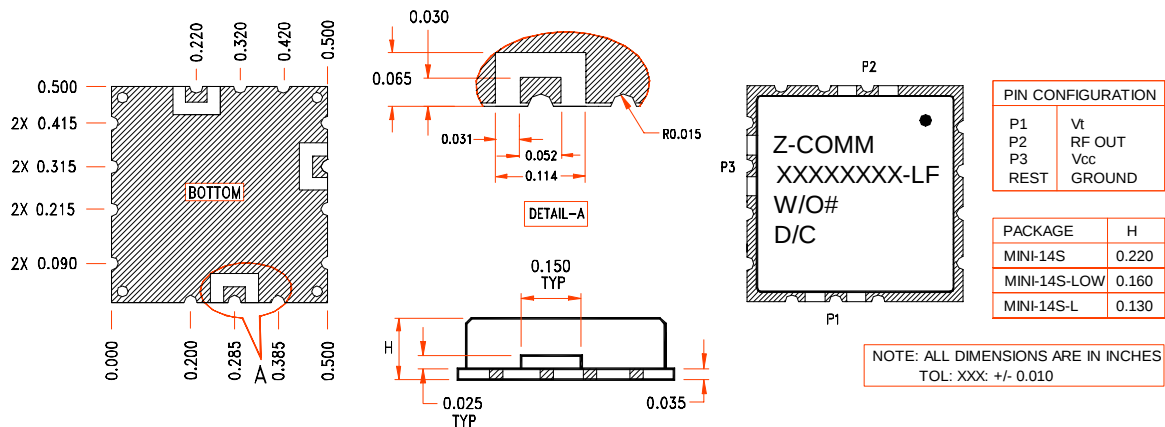
Power Curve, typ.



Footprint



Physical Dimensions



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