V618ME01

Rev E5

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Voltage-Controlled Oscillator
Surface Mount Module

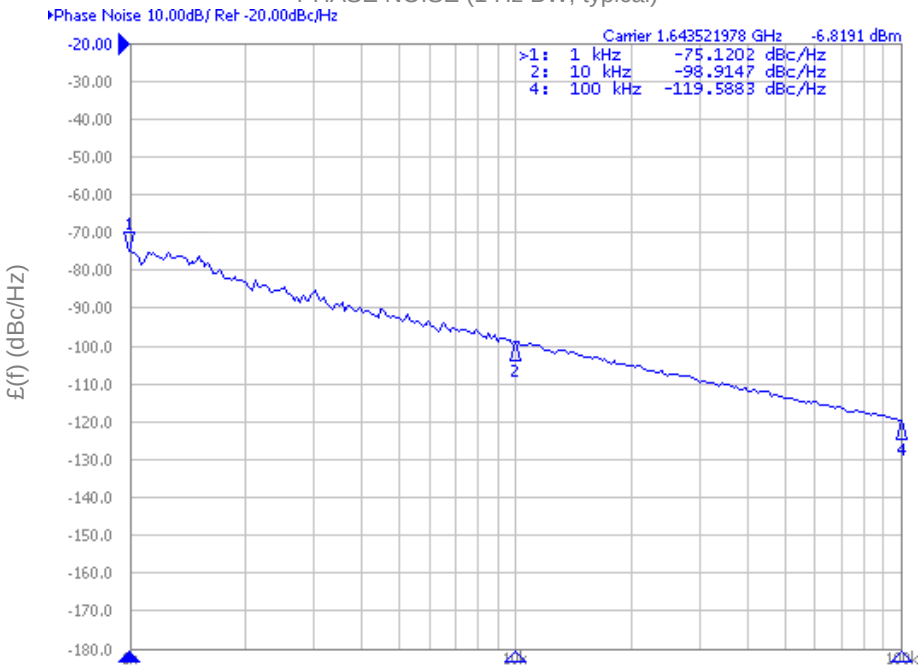
Applications

- Satellite Communications
- Microwave Relay Links
- Test Equipment

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	1626.5		1660.5	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-98		dBc/Hz
Harmonic Suppression (2nd)		-15	-13	dBc
Tuning Voltage	0		3	Vdc
Tuning Sensitivity (avg.)		42		MHz/V
Power Output	-5	-2	1	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			6	MHz/V
Pulling (12 dB Return Loss, Any Phase)			3	MHz
Operating Temperature Range	-25		70	°C
Package Style		MINI-14S		

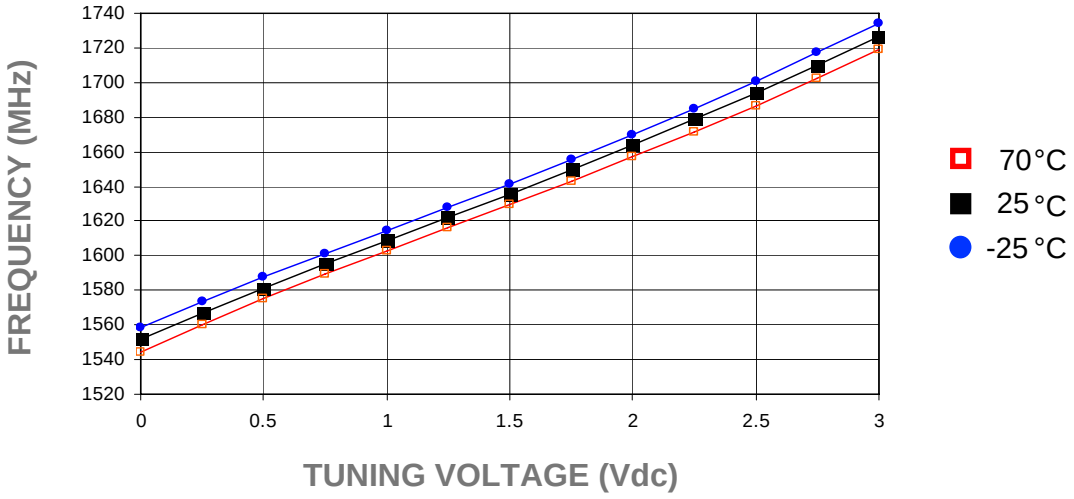
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		3		Vdc
Supply Current (Icc)		15	22	mA

Additional Notes

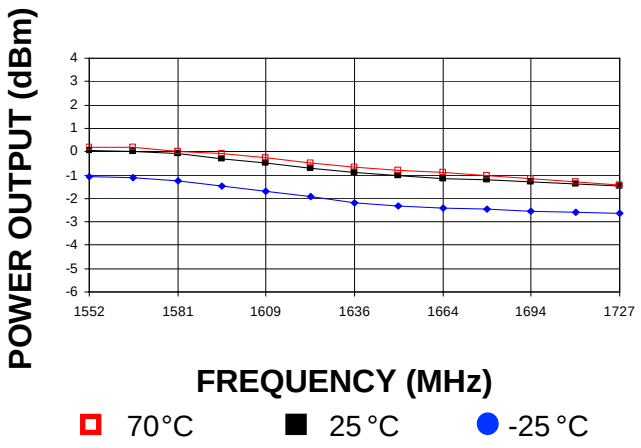
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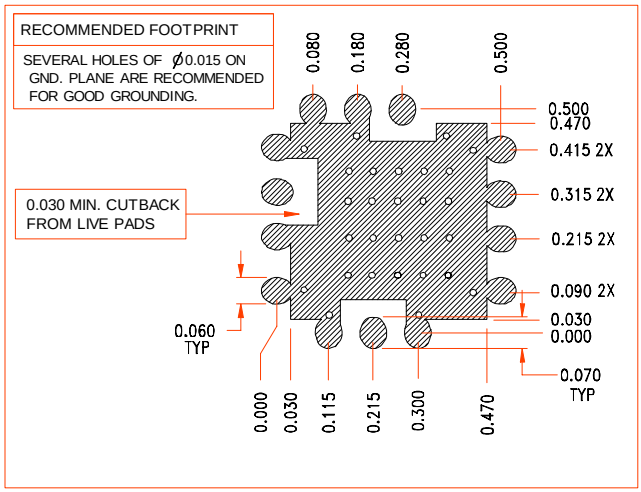
Tuning Curve, typ.



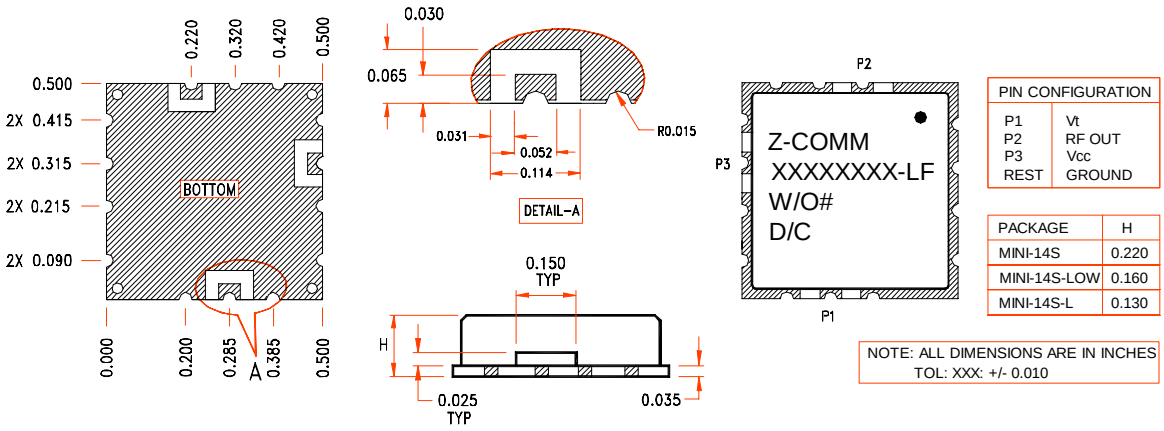
Power Curve, typ.



Footprint



Physical Dimensions



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