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Voltage-Controlled Oscillator Surface Mount Module

Applications

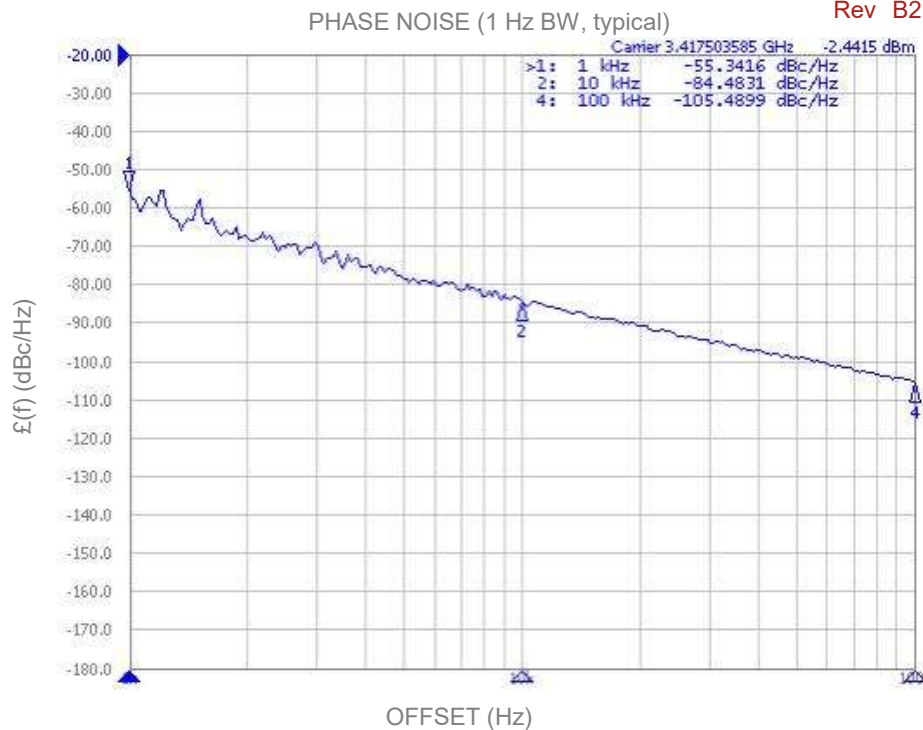
Microwave Radio
 Atomic Clock

Application Notes

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

SMV3417E-LF

Rev B2



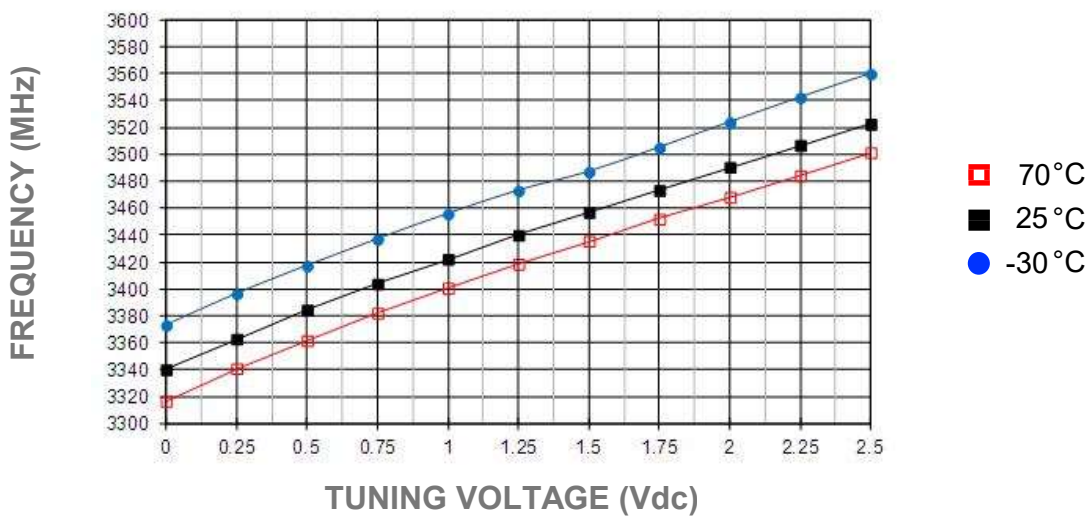
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3415		3420	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-81		dBc/Hz
Harmonic Suppression (2nd)		-25	-20	dBc
Tuning Voltage	0		2.5	Vdc
Tuning Sensitivity (avg.)		67		MHz/V
Power Output	-3	0	3	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			25	MHz/V
Pulling (20. dB Return Loss, Any Phase)			10	MHz
Operating Temperature Range	-30		70	$^{\circ}\text{C}$
Package Style		SUB-L		

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		2.8		Vdc
Supply Current (Icc)		9	11	mA

Additional Notes

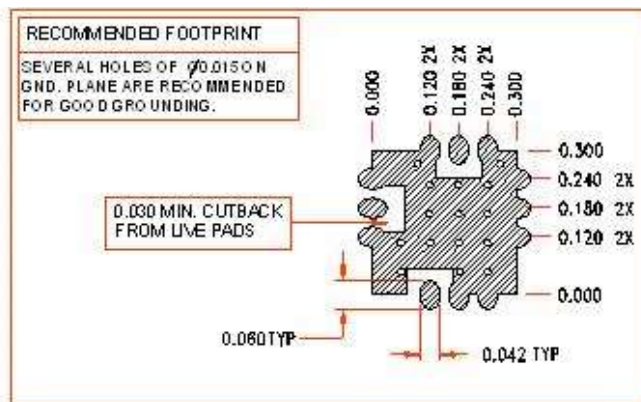
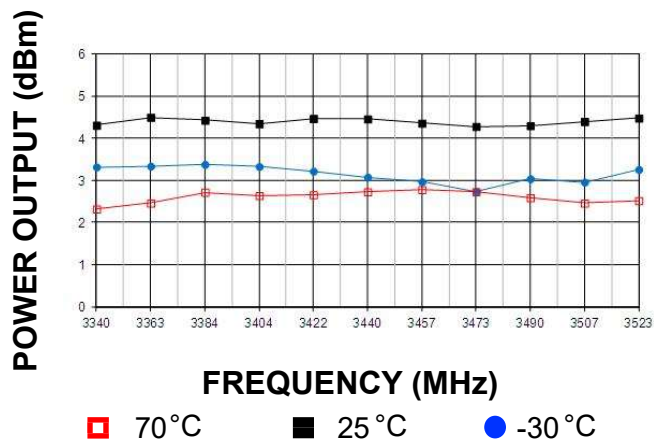
LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

Tuning Curve, typ.



Power Curve, typ.

Footprint



Physical Dimensions

