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Voltage-Controlled Oscillator Surface Mount Module

Applications

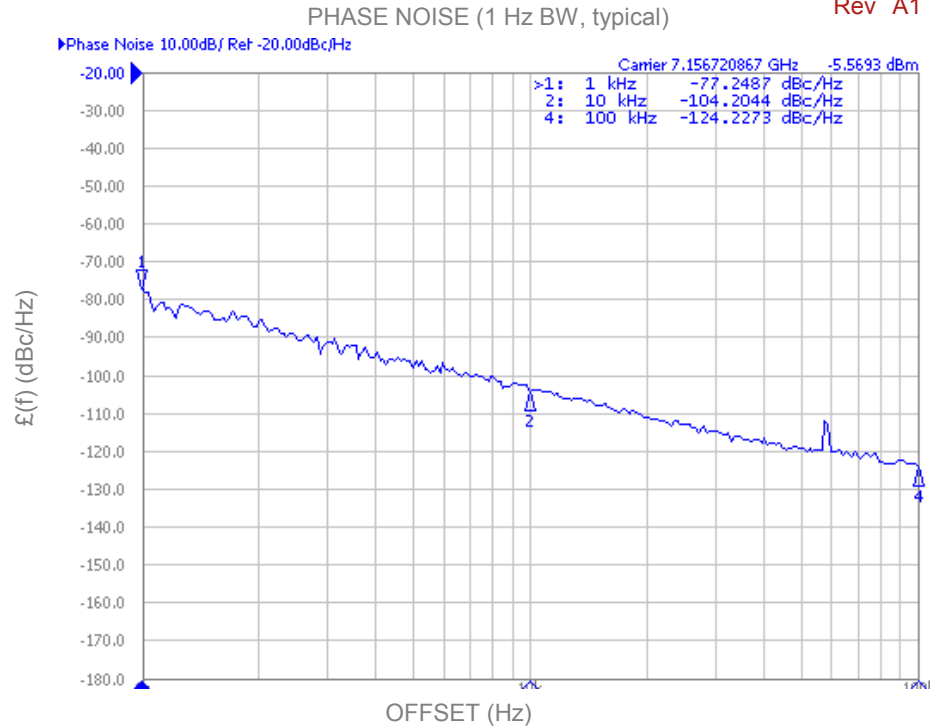
- Test Instrumentation
- Microwave Radio Equipment
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Application Notes

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

DRO7164G

Rev A1

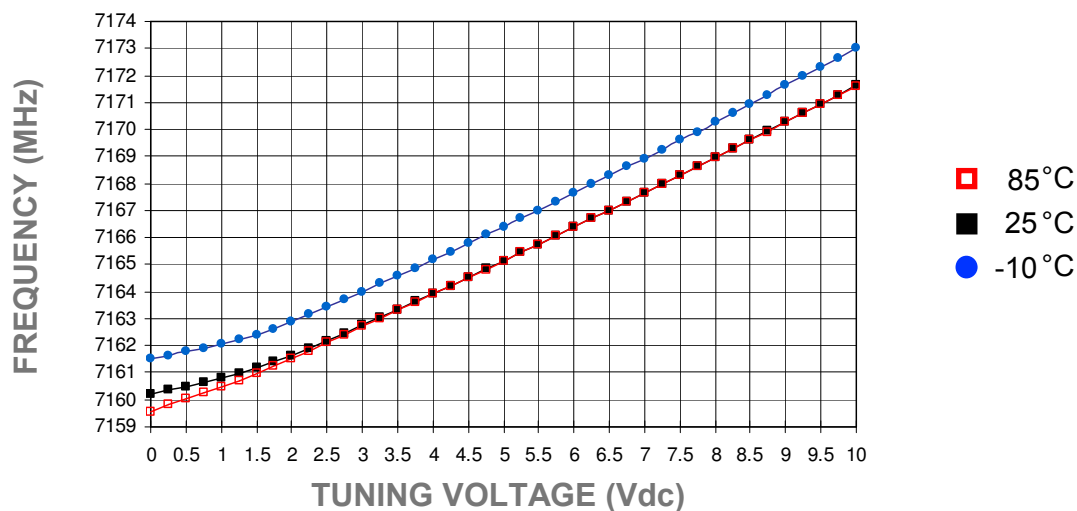


Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	7164		7164	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-103		dBc/Hz
Harmonic Suppression (2nd)		-25	-20	dBc
Tuning Voltage	0		10	Vdc
Tuning Sensitivity (avg.)		1.5		MHz/V
Power Output	2	4	6	dBm
Load Impedance		50		Ω
Input Capacitance			0	pF
Pushing			1	MHz/V
Pulling (dB Return Loss, Any Phase)			1	MHz
Operating Temperature Range	-10		85	$^{\circ}\text{C}$
Package Style		SDRO		

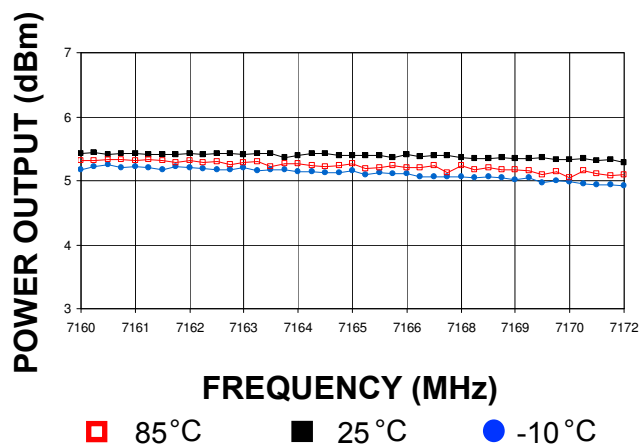
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		21	26	mA

Additional Notes

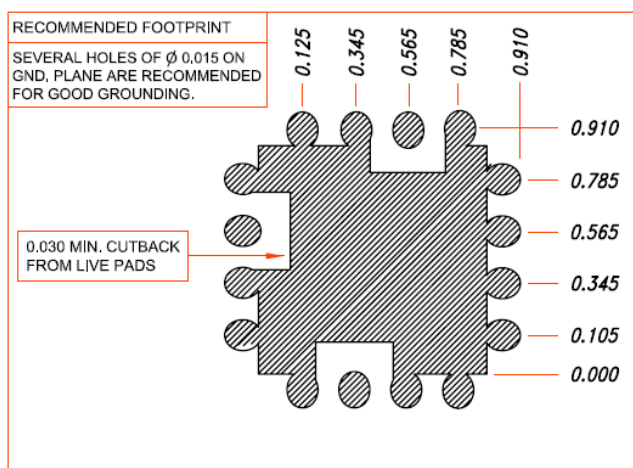
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions

