

Z~Communications PHASE NOISE (1 Hz BW, typical)

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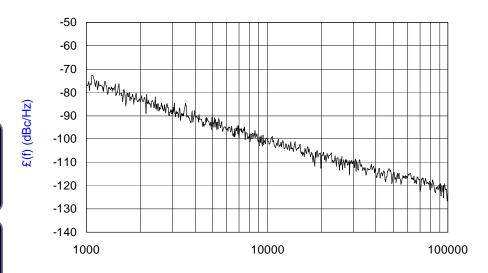
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Satellite Communications
- Test Instrumentation
- CATV Headend Equipment

Application Notes

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



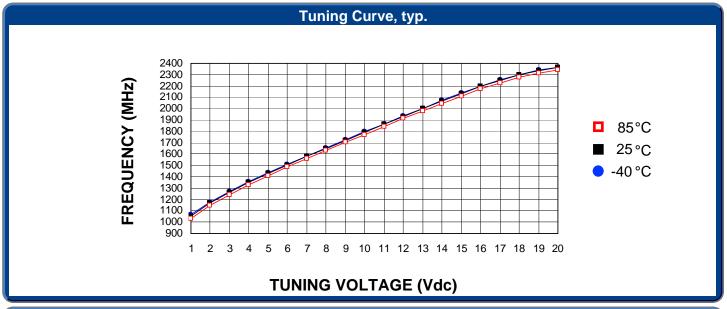
OFFSET (Hz)

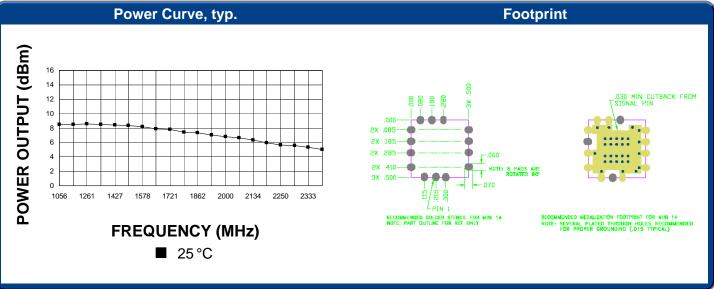
Performance Specifications	Min	Тур	Max	Units
Oscillation Frequency Range	1200		2200	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-99		dBc/Hz
Harmonic Suppression (2nd)		-13		dBc
Tuning Voltage	1		20	Vdc
Tuning Sensitivity (avg.)		73		MHz/V
Power Output	4	6.5	9	dBm
Load Impedance		50		Ω
Input Capacitance			100	pF
Pushing			3	MHz/V
Pulling (14 dB Return Loss, Any Phase)			15	MHz
Operating Temperature Range	-40		85	°C
Package Style		MINI-14S-UL		

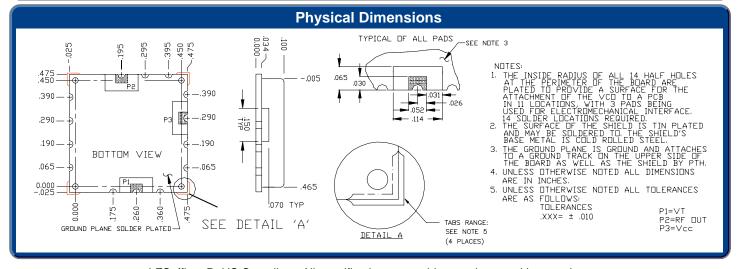
Power Supply Requirements	Min	Тур	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		20	25	mA

Additional Notes









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