

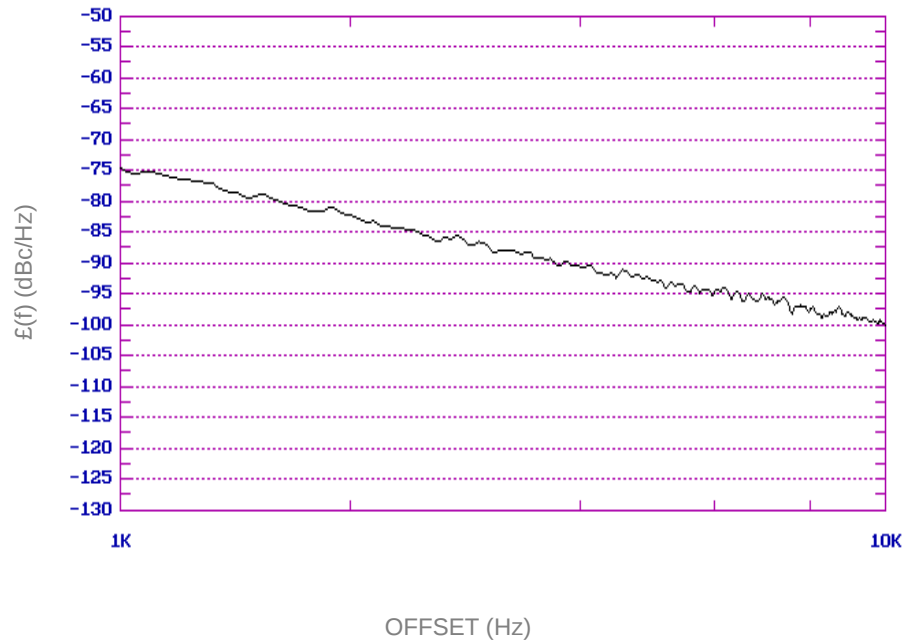
Voltage-Controlled Oscillator Surface Mount Module

Applications

- Portable Radios
- PCS
- Downconvertors

Application Notes

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



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	1690		1925	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-99		dBc/Hz
Harmonic Suppression (2nd)		-10	-7	dBc
Tuning Voltage	2		12	Vdc
Tuning Sensitivity (avg.)		35		MHz/V
Power Output	1	3.5	6	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			4	MHz/V
Pulling (12 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.)		9.0		Vdc
Supply Current (Icc)		14	17	mA

Additional Notes

