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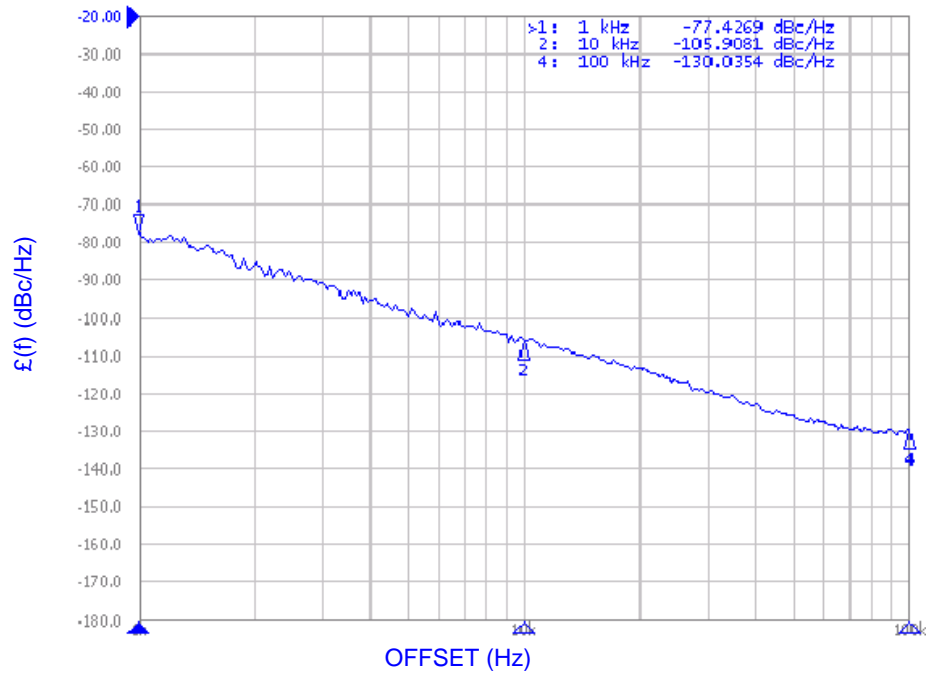
Dielectric Resonator Oscillator

Applications

- Up/Down Converter
- Test Instrumentation
- Satellite Communication Systems

Application Notes

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



Performance Specifications

	Min	Typ	Max	Units
Oscillation Frequency Range	10000		10000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-105		dBc/Hz
Harmonic Suppression (2nd)		-25		dBc
Tuning Voltage	0		12	Vdc
Tuning Sensitivity (avg.)		1		MHz/V
Power Output		0±3		dBm
Load Impedance			50	Ω
Input Capacitance			50	pF
Pushing			1	MHz/V
Pulling (12 dB Return Loss, Any Phase)			2	MHz
Operating Temperature Range		-40 to 85		°C
Package Style				

Power Supply Requirements

	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		20		mA

Additional Notes

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