

Fixed Frequency Synthesizer with Internal Reference Surface Mount Module

Features

- Internal Reference
- Seamless Integration
- Low Power Consumption
- Exceptional Phase Noise

Applications

- Test Instrumentation
- Satellite Communications
- Up/Down Converters
- Clock Sources

Performance Specifications	Min	Typ	Max	Units
Series Frequency Range	1000		5000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		see plot on page 2		dBc/Hz
Harmonic Suppression (2nd)		-20		dBc
Spurious Suppression		-65		dBc
Power Output		3		dBm
Load Impedance		50		Ω
Settling Time		1		mS
Reference Oscillator Frequency		10		MHz
Operating Temperature Range	-40		85	$^{\circ}\text{C}$
Package Size		0.6 x 0.6 x 0.13		Inches

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage 1: PLL (Vcc, nom)		3		Vdc
Supply Voltage 2: VCO (Vcc, nom)		5		Vdc
Supply Current 1: PLL (Icc, typ)		15		mA
Supply Current 2: VCO (Icc, typ)		35		mA

Part Ordering

Please specify the desired frequency from 1000 to 5000 MHz.

RFS -LF

*For specialized requirements please contact sales.

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

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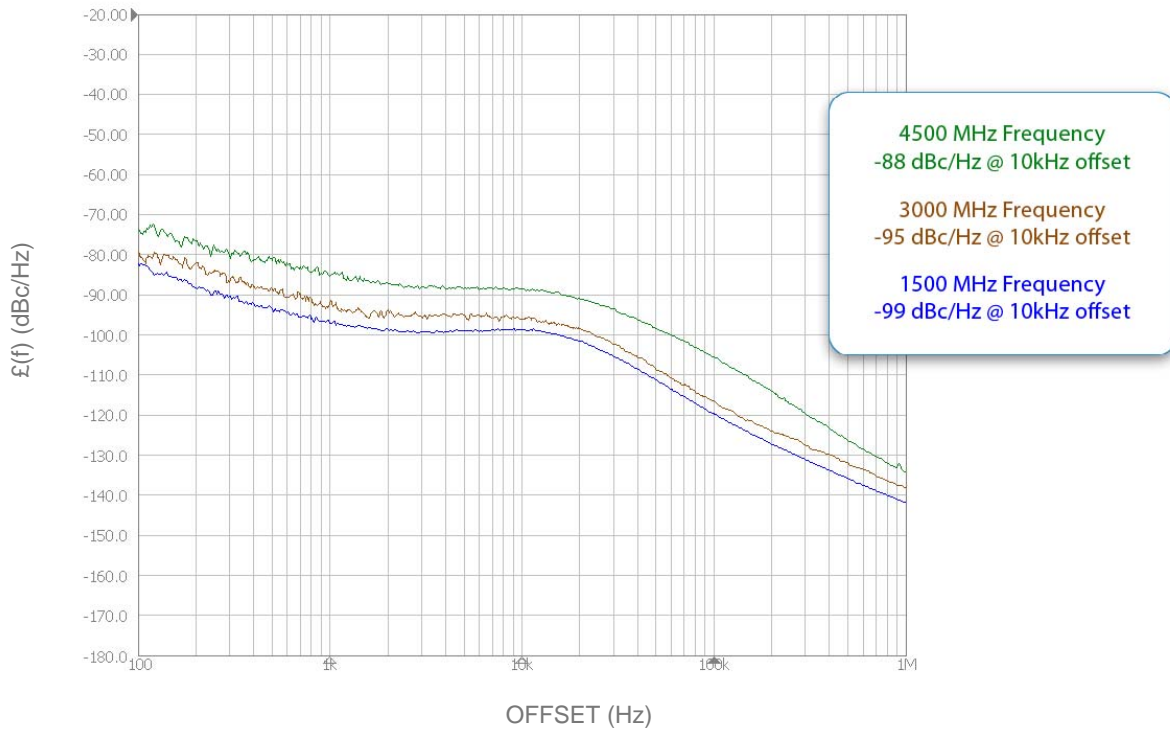
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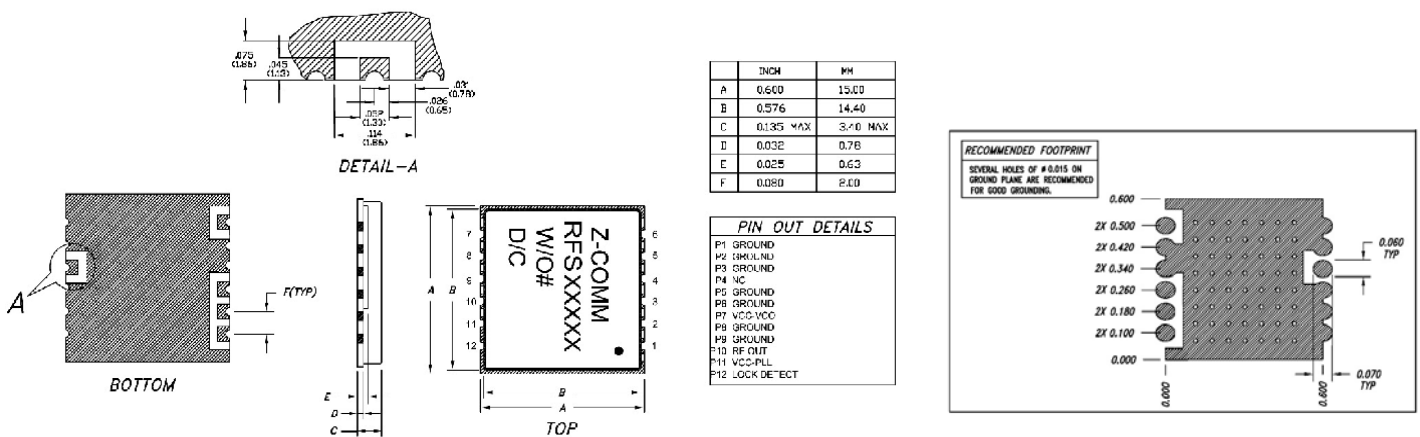
Fixed Frequency Synthesizer with Internal Reference
Surface Mount Module

Phase Noise, typ.

PHASE NOISE (1 Hz BW, typical)



Physical Dimensions & Footprint



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