



查询PSA3000A供应商

Z-Communications, Inc.

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捷多邦，专业PCB打样工厂，24小时加急出货

PSA3000A

PHASE LOCKED LOOP

Rev A1



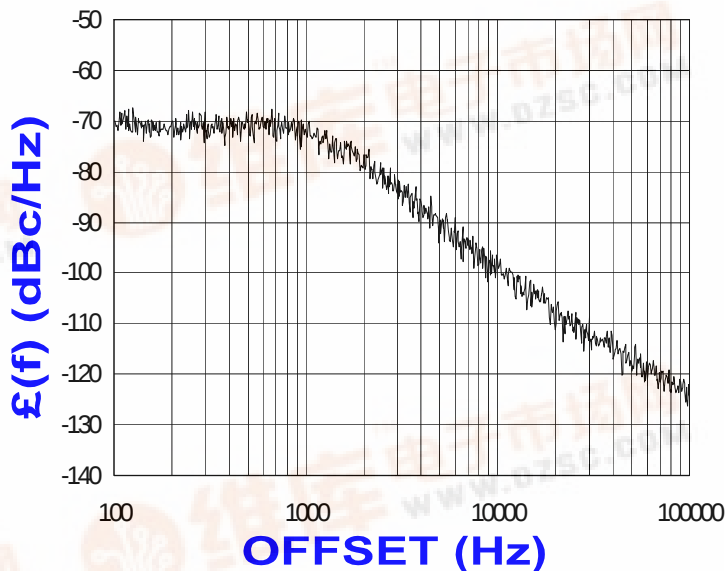
FEATURES

- Frequency Range: 2970 - 3030 MHz
- Step Size: 1000 KHz
- PLL - Style Package

APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

PHASE NOISE (1 Hz BW, typical)



PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Frequency Range	2970 - 3030	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Sideband Spurs (typ.)	-80	dBc
Power Output	-1±3	dBm
Load Impedance	50	Ω
Step Size	1000	KHz
Charge Pump Output Current	2500	μ A
Switching Speed (typ., adjacent channel)	2	mSec
Startup Lock Time (typ.)	3	mSec
Operating Temperature Range	-40 to 85	$^{\circ}$ C
Package Style	PLL	

POWER SUPPLY REQUIREMENTS

Supply Voltage (V_{cc} , nom.)	5	Vdc
Supply Current (I_{cc} , typ.)	50	mA

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

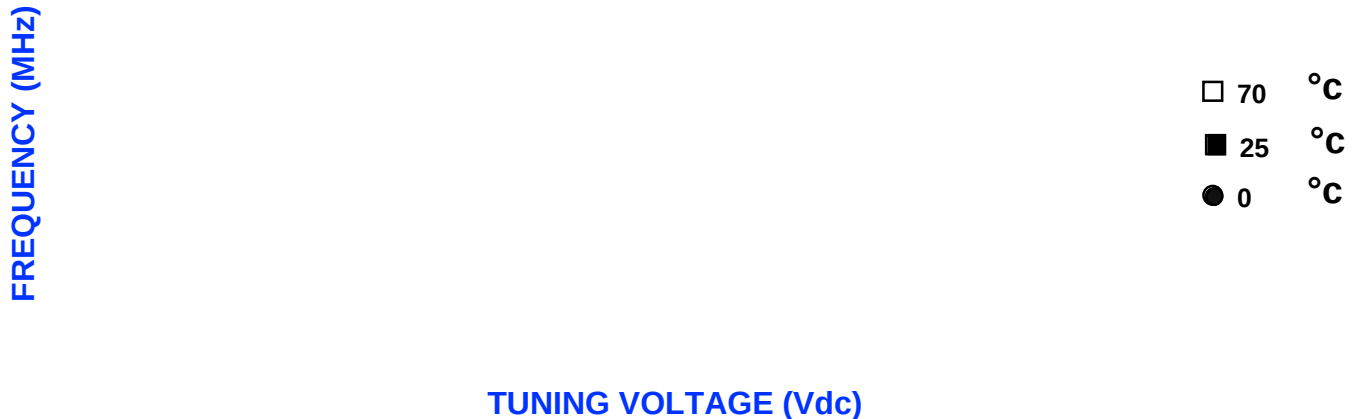
- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-200 : Mounting and Grounding of Z-COMM PLLs
- AN-201 : PLL Fundamentals
- AN-202 : PLL Functional Description

NOTES:

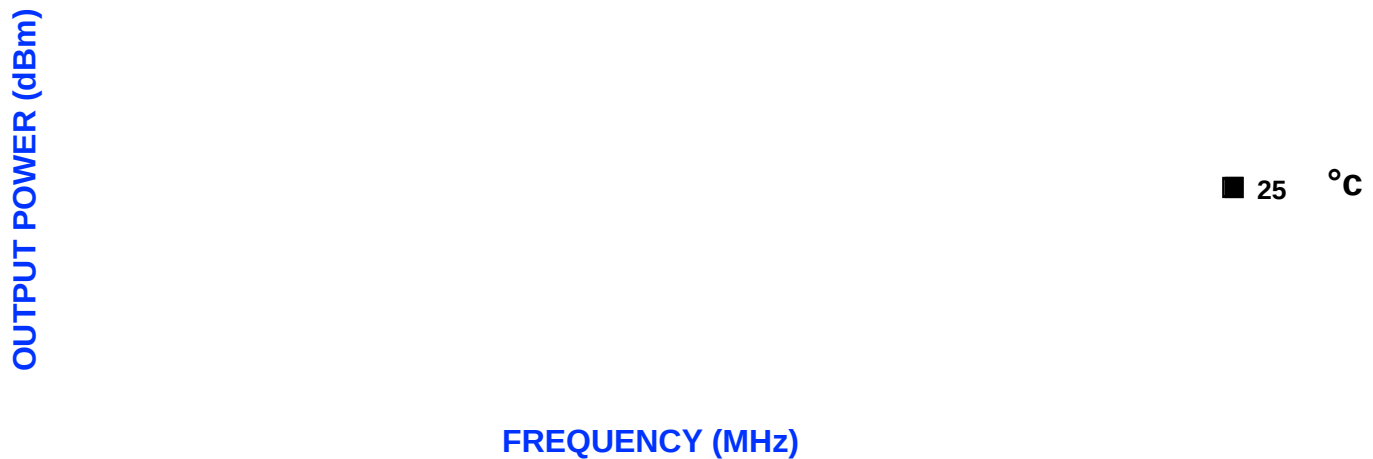
Reference Oscillator Signal: $5 \text{ MHz} < f_{osc} < 100 \text{ MHz}$
Frequency Synthesizer: Analog Devices - ADF4106

Prescaler: 32

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

