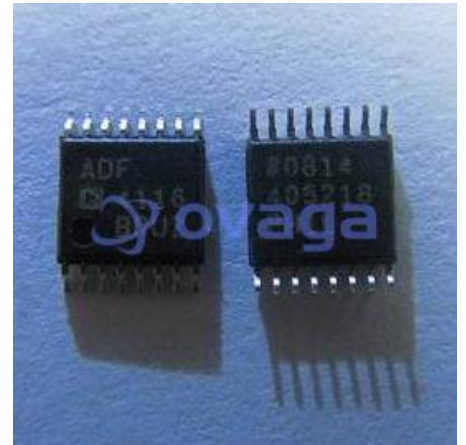


FREQUENCY SYNTHESIZER, 550MHZ, PLL Type:Frequency Synthesis,
 Frequency:550MHz,Supply Voltage Min:2.7V, Supply Voltage Max:5.5V, Operating
 Temperature Min:-40 C, Operating

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Phase Locked Loops - PLL
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADF4116BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADF4116/ADF4117/ADF4118 are frequency synthesizers which can be used to implement local oscillators in the up-conversion and down-conversion sections of wireless receivers and transmitters. They consist of a low-noise digital PFD (Phase Frequency Detector), a precision charge pump, a programmable reference divider, programmable A and B counters and a dual-modulus prescaler (P/P+1). The A (5-bit) and B (13-bit) counters, in conjunction with the dual modulus prescaler (P/P+1), implement an N divider.

Control of all the on-chip registers is via a simple 3-wire interface.

The devices operate with a 2.7V ($\pm 10\%$) or 5V ($\pm 10\%$) power supply and can be powered when not in use.

Features

ADF4116: 550 MHz

ADF4117: 1.2 GHz

ADF4118: 3.0 GHz

2.7 V to 5.5 V power supply

Separate VP allows extended tuning voltage in 3 V systems

Y Grade: -40°C to +125°C

Dual-modulus prescaler

ADF4116: 8/9

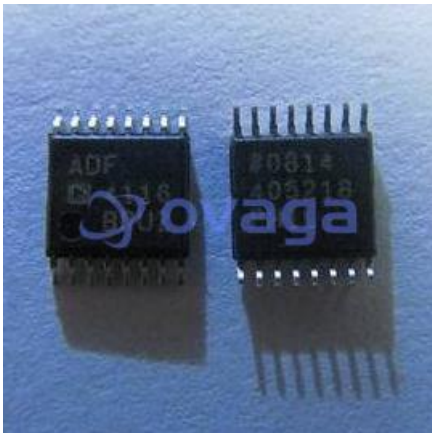
ADF4117/ADF4118: 32/33

3-wire serial interface

Digital lock detect

Power-down mode

Fastlock mode



Related Products



[ADF4350BCPZ](#)

Analog Devices, Inc
LFCSP-32



[AD9516-4BCPZ](#)

Analog Devices, Inc
LFCSP64



[ADF4111BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4113BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4110BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4193BCPZ](#)

Analog Devices, Inc
LFCSP-32



[AD2S99BPZ](#)

Analog Devices, Inc
PLCC-20



[AD9528BCPZ](#)

Analog Devices, Inc
72-VFQFN, CSP