

Clock Generator 500MHz to 4GHz Input 16Pin TSSOP Tube

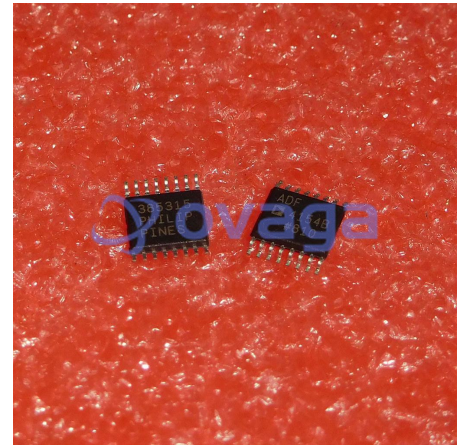
Manufacturers [Analog Devices, Inc](#)

Package/Case TSSOP

Product Type RF Integrated Circuits

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ADF4154BRU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

A key feature of the ADF4154 is the fast-lock mode with a built-in timer. The user can program a predetermined count-down time value so that the PLL will remain in wide bandwidth mode, instead of having to control this time externally.

Control of all on-chip registers is via a simple 3-wire interface. The device operates with a power supply ranging from 2.7 V to 3.3 V, and can be powered down when not in use.

## Features

RF bandwidth 500 MHz to 4 GHz

2.7 V to 3.3 V power supply

Separate VP allows extended tuning voltage

Programmable dual-modulus prescaler 4/5, 8/9

Programmable charge pump currents

3-wire serial interface

Analog and digital lock detect

Power-down mode

Pin compatible with the ADF4110/ADF4111/ADF4112/ADF4113/ADF4106 and ADF4153

Programmable modulus on fractional-N synthesizer

Trade-off noise versus spurious performance

Fast-lock mode with built-in timer



**Related Products**



[ADL5330ACPZ](#)  
Analog Devices, Inc  
LFCSP24



[ADL5240ACPZ-R7](#)  
Analog Devices, Inc  
LFCSP-32



[AD630SD](#)  
Analog Devices, Inc  
20 ld Side-BrazedCerDIP



[ADRF5040BCPZ](#)  
Analog Devices, Inc  
HIGH ISOLATION, SP4T, 9KHZ - 12G



[AD607ARSZ-REEL](#)

Analog Devices, Inc  
SSOP-20



[AD831AP](#)

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20 ld PLCC



[ADG901BRM](#)

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MSOP-8



[ADL5350ACPZ](#)

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LFCSP-8