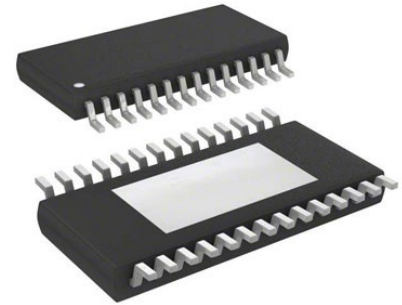


Quadrature Mod 70MHz 16-Pin TSSOP Tube

| | |
|----------------------|-------------------------------------|
| Manufacturer: | Analog Devices, Inc |
| Package/Case: | TSSOP |
| Product Type: | RF Integrated Circuits |
| Lifecycle: | Obsolete |



Images are for reference only

[Inquiry](#)

General Description

Key Features

Application

Output Frequency range 800 MHz to 2.5 GHz

The AD8346 requires only 10 dBm LO drive level and provides a fully specified 50 ohm buffered output.

I/Q Base-band Frequency range dc to 70 MHz

The part provides excellent amplitude and phase balance and sideband suppression specifications to enable higher order/capacity QAM modulated radios.

Output Power 3 dBm P1 dB

Additionally the AD8346 has been tested and provides 72 dBc ACPR when used in a direct up-conversion CDMA IS95 modulator.

Noise Floor -147 dBm/Hz

Quadrature Phase Accuracy 1 deg rms

The AD8346 is supplied in 16-lead Thin Shrink Small Outline (TSSOP) package, and fully specified over -40 to 85 degC temperature range.

Amplitude Balance 0.2 dB

AVAILABILITY

Low Power with Power Down Function

Samples part number (AD8346ARU) and an evaluation board, part number (AD8346-EVAL) are available

Single 2.7 V to 5.5 V Supply

OTHER MODULATOR/DEMODULATOR PRODUCTS

Pin compatible with

AD8345 - 250 MHz - 1 GHz RF/IF Quadrature Modulator

AD8345

AD8347 - 800 MHz - 2.7 GHz RF/IF Quadrature Demodulator

AD8349

AD8349 - 800 MHz - 2.7 GHz Direct Up-Conversion Quadrature Modulator

Recommended For You

ADF4153BCPZ

Analog Devices, Inc
QFN

ADF5355BCPZ

Analog Devices, Inc
LFCSP32

AD8318ACPZ

Analog Devices, Inc
LFCSP

AD6620ASZ

Analog Devices, Inc
QFP

ADF4107BCPZ

Analog Devices, Inc
QFN

ADL5513ACPZ-R7

Analog Devices, Inc
LFCSP-16

AD8319ACPZ

Analog Devices, Inc
LFCSP

ADRF6755ACPZ

Analog Devices, Inc
QFN

ADL5535ARKZ-R7

Analog Devices, Inc
SOT89

AD608AR

Analog Devices, Inc
SOP16

ADF4107BRUZ-REEL7

Analog Devices, Inc
TSSOP16

ADRF6780ACPZN

Analog Devices, Inc
QFN

AD8317ACPZ

Analog Devices, Inc
LFCSP

AD608ARZ

Analog Devices, Inc
SOP16

AD8318ACPZ-REEL7

Analog Devices, Inc
LFCSP