
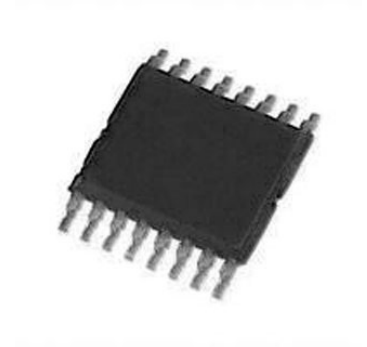


Quadrature Mod 70MHz 16-Pin TSSOP Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	TSSOP16
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

Key Features

High accuracy - 1 degree RMS quadrature error at 1.9GHz

High accuracy - 0.2dB I/Q amplitude balance at 1.9GHz

-46dBc at 0.8GHz Sideband suppression

-36dBc at 1.9GHz Sideband suppression

0dBm Output compression level at 0.8GHz

-147dBm/Hz Noise floor

45mA Quiescent operating current

1μA Standby current

Application

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

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

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

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

AVAILABILITY

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

OTHER MODULATOR/DEMULATOR PRODUCTS

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

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

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