


Quadrature Mod 80MHz 16-Pin TSSOP EP 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

The AD8345 is a silicon RFIC quadrature modulator, designed for use from 140 MHz to 1000 MHz. The part provides a very low noise floor and high output power supporting a significant improvement in output dynamic range. The AD8345 needs a low LO drive level and provides a fully specified 50 Ω buffered output.

The part provides excellent amplitude and phase balance and sideband suppression specifications to enable higher order/capacity QAM modulated radios. Additionally the AD8345 has been tested and supports the requirements as an IF modulator within CDMA/GSM/W-CDMA cellular infrastructure equipment and as a direct conversion modulator for the 800 – 900 MHz cellular bands.

The AD8345 is supplied in 16-lead Thin Shrunken Small Outline (TSSOP) package with exposed paddle, and fully specified over –40°C to +85°C temperature range.

Availability Samples part number (AD8345ARE) and an evaluation board, part number (AD8345-EVAL) are available. Other Modulator / Demodulator Products

AD8346 – 800 MHz to 2.5 GHz Lower Power Direct Up-Conversion Modulator

AD8347 – 800 MHz to 2.7 GHz Direct Conversion Demodulator

AD8349 – 700 MHz to 2.7 GHz Low Noise, Higher Output Drive, RF Modulator

Key Features

2.5dBm P1dB at 800MHz

-155dBm/Hz Noise floor

0.5 degree RMS phase error (IS95)

0.2dB Amplitude balance

Pin-compatible with AD8346 and AD8349



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