


Quadrature Dmod 65MHz 28-Pin TSSOP Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	TSSOP-28
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The AD8347 is a single chip, broadband 2.7GHz quadrature demodulator. The part integrates 65dB linear-in-dB AGC, divided between RF input and at the baseband outputs following the mixers. The In-phase and Quadrature signals are brought out off chip for filtering prior to the final output amplifier stage. The final output amplifiers allow the user to adjust the DC common mode level to provide a direct interface into a dual channel I/Q ADC.

With 65dB linear-in-dB gain control, 50MHz demodulation bandwidth and excellent phase and amplitude balance the AD8347 is ideally suited direct conversion radios in point to point and point to multipoint broadband wireless applications.

The AD8347 is fabricated on an advanced bipolar process, operating on a single 3 or 5 volt supply, packaged in space saving 28 lead thin shrunk small outline (TSSOP) package and fully specified over the -40 to +85 C temperature range.

Availability

Samples and an evaluation boards part number AD8347-EVAL are available to order.

Other Modulator/Demodulator products:

AD8345 -250MHz - 1GHz RF/IF Modulator AD8346 - 2.5 GHz Direct Conversion Quadrature Modulator

Key Features

800MHz - 2.7GHz RF Input Range

Integrated 65dB AGC Amplifiers

Integrated Baseband Level Detectors

Integrated Baseband Output Amplifiers

Single Supply 2.7 to 5.5V with Power Down

Quadrature Phase Accuracy 3 degree

Amplitude Balance 0.3dB

Third Order Intercept IIP3 +12dB

Noise Figure 11dB

Low LO Drive -10dBm



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