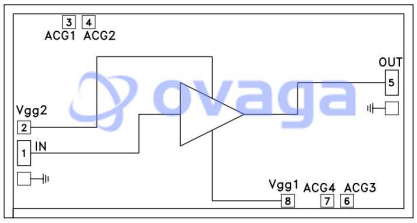
HMC465

Data Sheet

GaAs pHEMT MMIC MODULATOR DRIVER AMPLIFIER, DC

Manufacturers	Analog Devices, Inc
Package/Case	QFN
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	

Functional Diagram



Images are for reference only

Please submit RFQ for HMC465 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The HMC465 is a GaAs MMIC PHEMT Distributed Driver Amplifier die which operates between DC and 20 GHz. The amplifier provides 17 dB of gain, 2.5 dB noise figure and +24 dBm of saturated output power while requiring only 160 mA from a +8V supply. Gain flatness is excellent at ±0.25 dB as well as ±1 deg deviation from linear phase from DC - 10 GHz making the HMC465 ideal for OC192 fiber optic LN/MZ modulator driver amplifier as well as test equipment applications.

The HMC465 amplifier I/Os are internally matched to 50 Ohms facilitating easy integration into Multi-Chip-Modules (MCMs). All data is with the chip in a 50 Ohm test fixture connected via 0.025 mm (1 mil) diameter wire bonds of minimal length 0.31mm (12 mils).

Features

Gain: 17 dB

Output Voltage to 10 Vp-p

Saturated Output Power: +24 dBm

Supply Voltage: +8V @160 mA

50 Ohm Matched Input/Output

Die Size: 3.04 x 1.56 x 0.1 mm

Application

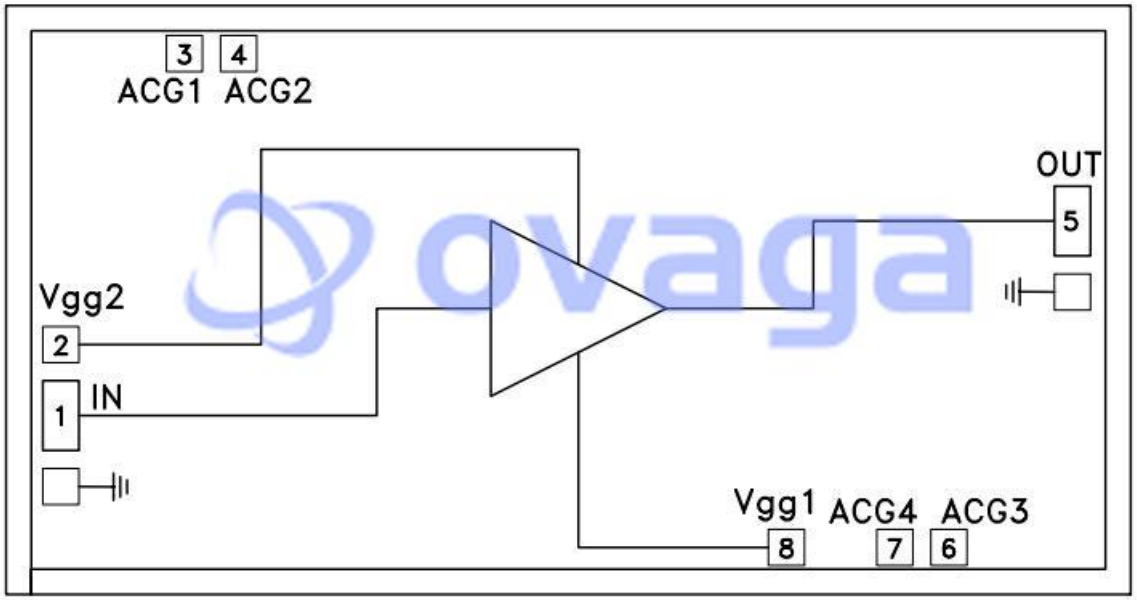
OC192 LN/MZ Modulator Driver

Telecom Infrastructure

Test Instrumentation

Military & Space

Functional Diagram



Related Products

[HMC3653LP3BE]

Analog Devices, Inc

QFN-12

[HMC441LP3E]

Analog Devices, Inc

QFN-16

[HMC253AQS24]

Analog Devices, Inc

24-SSOP (0.154, 3.90mm Width)

[HMC948LP3E]

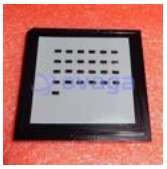
Analog Devices, Inc

LP3

[HMC358MS8GE]

Analog Devices, Inc

MSOP-8



[HMC490]

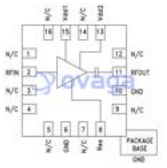
Analog Devices, Inc

SMD

[HMC453ST89E]

Analog Devices, Inc

ST89E



[HMC618ALP3E]

Analog Devices, Inc

QFN-16