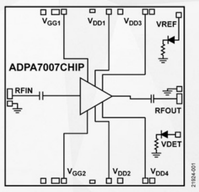
ADPA7007

GaAs, pHEMT, MMIC,1 W Power Amplifier, 18 GHz to 44 GHz

Recommended for New Designs

Data Sheet Rev. 0

S-Parameters
View All



Overview

Features and Benefits | Product Details

- Output P1dB: 31 dBm typical at 22 GHz to 36 GHz
- P_{SAT}: 32 dBm typical at 22 GHz to 36 GHz
- Gain: 21.5 dB typical at 22 GHz to 36 GHz
- Output IP3: 41 dBm typical at 22 GHz to 44 GHz
- Supply voltage: 5 V typical at 1400 mA maximum
- 50 Ω matched input and output
- Die size: 3.610 mm × 3.610 mm × 0.102 mm

Product Categories

Amplifiers
- Power Amplifiers
- Wideband Distributed Amplifiers

Markets & Technology

Aerospace and Defense
- Space

Instrumentation & Measurement
- Automated Test Equipment

Communications
- Wireless Infrastructure
- Wideband RF Signal Processing

Comparable Parts | Click to see all in Parametric Search

Product Lifecycle

Recommended for New Designs

This product has been released to the market. The data sheet contains all final specifications and operating conditions. For new designs, ADI recommends utilization of these products.

Documentation

View All (1) | Data Sheets (1)

Data Sheets

ADPA7007: GaAs, pHEMT, MMIC,1 W Power Amplifier, 18 GHz to 44 GHz Data Sheet (Rev. 0) — PDF 518.23 K

Tools & Simulations

S-Parameters

ADPA7007CHIP S-Parameters — ZIP 42.99 K

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

- ADPA7007 Material Declaration
- Quality And Reliability
- Symbols and Footprints

Support & Discussions

ADI Technical Support — Contact ADI Technical Support »

ADI EngineerZone SUPPORT COMMUNITY — Ask your question »

Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
ADPA7007AEHZ Request PCN/PDN Notification Pre-Release	18-Terminal LCC w/Heat Sink (7mm x 7mm x 1.317mm w/4.55mm HS)	18	-40 to 85C	Tray, 0	-	-	Y Info	Contact ADI
ADPA7007AEHZ-R7 Request PCN/PDN Notification Pre-Release	18-Terminal LCC w/Heat Sink (7mm x 7mm x 1.317mm w/4.55mm HS)	18	-40 to 85C	Reel, 100	-	-	Y Info	Contact ADI
ADPA7007C-KIT Request PCN/PDN Notification Production	CHIPS OR DIE	0	-55 to 85C	Tray, 2	-	-	Y Info	Purchase
ADPA7007CHIP Request PCN/PDN Notification Production	CHIPS OR DIE	0	-55 to 85C	Tray, 50	$144.74	$135.76	Y Info	Purchase

Back | Egypt | Check Inventory

The USA list pricing shown is for BUDGETARY USE ONLY, shown in United States dollars (FOB USA per unit for the stated volume), and is subject to change. International prices may differ due to local duties, taxes, fees and exchange rates. For volume-specific price or delivery quotes, please contact your local Analog Devices, Inc. sales office or authorized distributor. Pricing displayed for Evaluation Boards and Kits is based on 1-piece pricing.

Price Table Help

©1995 - 2020 Analog Devices, Inc. All Rights Reserved

Downloaded from Arrow.com.