Press Room

Search:

Careers

Markets

Home

Product Types

Learn About Us

New Products

Product Search

All Products

Tech Connect

Application Block Diagrams

Product Brochures

Technical Library

See also:

Press Room

Why TriQuint?

- Manufacturing **Facilities**
- Awards
- Quality
- Environment

Home > Use Our Products

▼Use Our Products

AH202-F 🏞 🞚

1 Watt Broadband Linear Amplifier

Visit the Foundry

The TriQuint AH202-F is a 1 Watt driver amplifier that offers excellent dynamic range in a low-cost, leadree / RoHS compliant 6x6 mm 28-pin QFN surface-mount package. This device provides its optimum P1dB and OIP3 performance when biased at + 11 V. It can also be biased as low as +9 V for lower power applications No external matching is needed for applications below 1 GHz. The backside metalization provides excellent thermal dissipation while allowing visible evidence of solder reflow across the bottom of the package on a SMT board. Superior thermal design allows the product an MTTF of over 100 years at a mounting temperature of +85° C. All devices are 100% RF and DC tested.

How to Buy

The product is targeted for use as a wideband driver amplifier for wireless infrastructure, CATV, or defense electronics where high linearity and instantaneous broadband performance is required.

Frequency (MHz)	Gain (dB)	P1dB (dBm)	Output IP3 (dBm)	NF (dB)	Vdd (V)	Idd (mA)	Package Style
30 to 2,200	17	30	47	2.5	11	330	6 x 6 mm

Product Features

- 30 to 2200 MHz
- 17 dB gain @ 900 MHz
- +30 dBm P1dB
- +47 dBm Output IP3
- Single positive supply
- · Internally matched
- Lead-free / RoHS compliant
- 6 x 6mm QFN SMT package

Typical Applications

- CATV / DBS
- · Defense / Homeland Security
- Mobile Infrastructure

Documents & Files

- Product Datasheet
- <u>S-Parameters</u>
- Bill Of Materials AH202-PCB1900
- Bill Of Materials AH202-PCB2140
- Bill Of Materials AH202-PCB900
- Gerber PCB Layout Files
- Package Information: <u>PDF</u>, <u>DWG</u>

Additional Information

RoHS: Yes Status: Production **Updated:** 12/19/2011 Lead Free: Yes

Halogen Free: Yes

Next Steps

Invest in TQNT

Request More Information

Contact Sales Sign Up for e-Newsletter

Download Product Brochures

View Similar Products

This product is listed in the following categories. Click on any of the links to see similar products.

Markets:

- Networks > Base Station > Standard Products
- Networks > Multi-Market Standard Products

Product Types:

Amplifiers > Driver Amplifiers

Website Feedback