

# TAT7467H

## CATV 75 $\Omega$ pHEMT Dual RF Amplifier

### Applications

- Replacement for 5 V SOIC-8 Amplifiers
- Edge QAM Output Stage
- MDU Output
- Distribution Amplifiers
- Transmitter Driver Amplifier

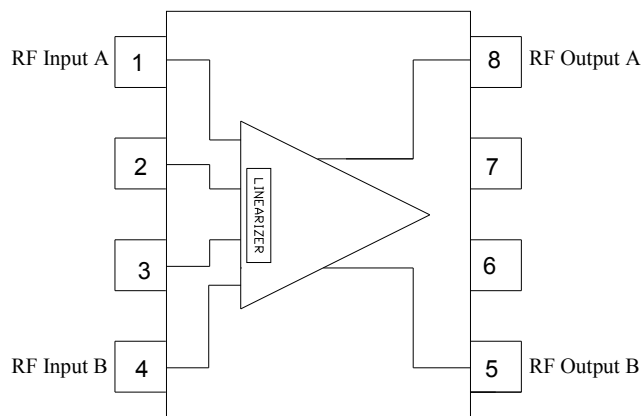
### Product Features

- 75  $\Omega$ , 40-1200 MHz Bandwidth
- pHEMT device technology
- Meets DOCSIS 3.0 Output Requirements
- 5 V supply voltage
- 380 mA typical current consumption
- On-chip Linearization
- SOIC-8 package



SOIC-8 package

### Functional Block Diagram



### General Description

The TAT7467H is a 75  $\Omega$  fully integrated single-die differential RF Amplifier covering medium power applications in the CATV band. The TAT7467H includes on-chip linearization to improve 3<sup>rd</sup> order distortion performance while maintaining low power consumption on a 5 V supply. It is fabricated using 6 inch GaAs pHEMT technology to optimize performance and cost.

### Pin Configuration

Pin #	Symbol
1	RF Input A
2	Linearizer A
3	Linearizer B
4	RF Input B
5	RF Output B
6	Biasing 2
7	Biasing 1
8	RF Output A
9	Ground Slug

### Ordering Information

Part No.	Description
TAT7467H	75 $\Omega$ Dual pHEMT Amplifier (lead-free/RoHS compliant SOIC-8 Pkg)
TAT7467H-EB	Amplifier Evaluation Board

Standard T/R size = 1000 pieces on a 7" reel.