

## RF Amp Single Cascadable Amp 1.1GHz 17V 4-Pin TO-8

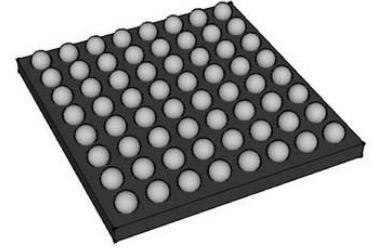
**Manufacturer:** [MACOM Technology Solutions](#)

**Package/Case:** BGA

**Product Type:** Amplifier ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The A19-1 RF amplifier is a discrete thin film hybrid design, which incorporates the use of thin film manufacturing processes for accurate performance and high reliability. This single stage bipolar transistor feedback amplifier design displays impressive performance over a broadband frequency range. An active DC biasing network is used for temperature-stable performance, in addition to an RF Choke, used for power supply decoupling. Both TO-8 and Surface Mount packages are hermetically sealed, and MIL-STD-883 environmental screening is available.

### Key Features

High Output Power: +22.5 dBm (Typ)

Medium Noise Figure: 6.0 dB (Typ.)

High Third Order I.P.: +35 dBm (Typ.)

Aerospace and Defense

ISM

### Application

NF: 5.5 dB

Min Frequency: 10 MHz

Gain: 11.5 dB

Bias Voltage: 15 V

Output P1dB: 23 dBm

OIP3: 35 dBm

Bias Current: 90 mA

Max Frequency: 1,000 MHz

### Recommended For You

**NPA1008**

MACOM Technology Solutions

QFN

**A18-1**

MACOM Technology Solutions

BGA

**NPA1003QA**

MACOM Technology Solutions

QFN

**MAAMB7000-A1G**

MACOM Technology Solutions

smddip

**MAAM28000-A1**

MACOM Technology Solutions

SMD8

**SMA1212**

MACOM Technology Solutions

BGA

**M4TH**

MACOM Technology Solutions

TO-8

**MASW-007107-TR3000**

MACOM Technology Solutions

PDFN-8

**AT-283-PIN**

MACOM Technology Solutions

CR-16

**MAAD-007086-000100**

MACOM Technology Solutions

SOP24

**MAAD-000523-TR1000**

MACOM Technology Solutions

QFN

**MAT10030**

MACOM Technology Solutions

SMD

**MAATSS0017**

MACOM Technology Solutions

SSOP16

**MAAVSS0007TR**

MACOM Technology Solutions

SOP-8

**MAT10010**

MACOM Technology Solutions

TSSOP