


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

<b>Manufacturer:</b>	<a href="#">MACOM Technology Solutions</a>
<b>Package/Case:</b>	BGA
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The A18-1 RF amplifier is a discrete hybrid design, which uses thin film manufacturing processes for accurate performance and high reliability. This single stage GaAs FET feedback amplifier design displays impressive performance characteristics over a broadband frequency range. An RF choke is used for DC power supply decoupling. Both TO-8 and Surface Mount packages are hermetically sealed, and MIL-STD-883 environmental screening is available.

### Key Features

- High Dynamic Range
- Low Noise: 3.8 dB (Typ.)
- High Third Order I.P.: +30 dBm (Typ.)
- High Output Power: +16 dBm (Typ.)
- Aerospace and Defense
- ISM

### Application

- NF: 3.8 dB
- Min Frequency: 10 MHz
- Gain: 14.7 dB
- Bias Voltage: 15 V
- Output P1dB: 16 dBm
- OIP3: 30 dBm
- Bias Current: 44 mA
- Max Frequency: 1,000 MHz

### Recommended For You

**NPA1008**

MACOM Technology Solutions

QFN

**A19-1**

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**

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TSSOP