



查询"AMS181"供应商

# Low Noise Amplifier, 8.5 dB Gain 10-400 MHz

## AM-/AMC-/AMS-181

- 1.5 dB Typical Midband Noise Figure
- +31 dBm Typical Midband Intercept
- Ideal for Broadband IF Applications
- Fully Hermetic Package (AMS-181)

### Guaranteed Specifications\*

(From -55°C to +85°C Case Temp)

Frequency Range	10 - 400 MHz
Gain (+25°C) @ 60 MHz	8.5 ±0.5 dB
Frequency Response	+1.0, -0.5 dB Max
Gain Variation with Temperature	±0.5 dB Max
Output Power (1 dB Compression)	
10-400 MHz	+6 dBm Min
10-200 MHz	+9 dBm Min

Noise Figure	
10-400 MHz	2.5 dB Max
10-200 MHz	2.2 dB Max

Reverse Transmission	-9 dB Max
	-11 dB Typ

VSWR	
10-400 MHz	2.2:1 Max
10-300 MHz	2.0:1 Max

Intermodulation Intercept Point (for two-tone output power up to 0 dBm)	
Second Order (10-400 MHz)	+25 dBm Min
Second Order (10-200 MHz)	+35 dBm Min
Third Order (10-400 MHz)	+15 dBm Min
Third Order (10-200 MHz)	+23 dBm Min

Bias Power	+15 VDC @ 15 mA Max (11 mA, 165 mW Typ)
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### Operating Characteristics

IF Impedance	50 Ohms Nominal
Maximum Rating	
RF Input	+10 dBm

### Environmental

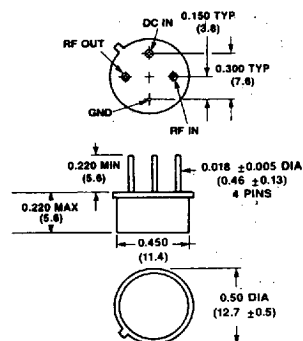
See Appendix for MIL-STD-883 screening option.

\*All specifications apply when operated at +15 VDC, with 50 ohm source and load impedance.  
This product contains elements protected by United States Patent Number 3,891,934.  
S-Parameters: For typical S-Parameter data, see appendix.

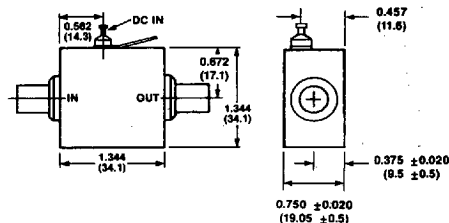
### Ordering Information

Model No.	Package
AM-181 PIN	Pin
AMC-181 SMA	Connectorized
AMS-181 PIN	Surface Mount

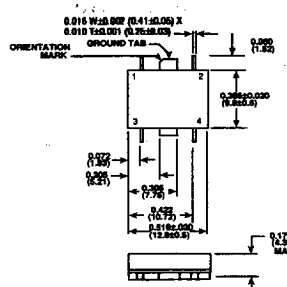
### TO-8-1



### C-6



### SF-1



Dimensions in ( ) are in mm.

See Appendix for complete physical dimensions.

Specifications Subject to Change Without Notice.

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

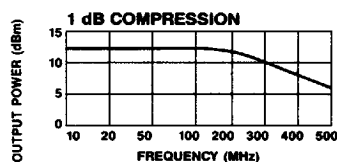
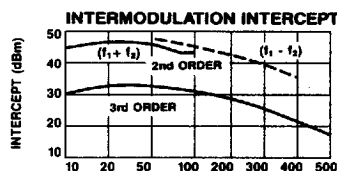
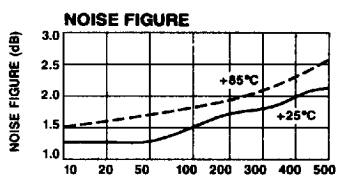
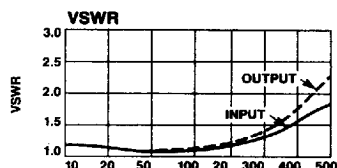
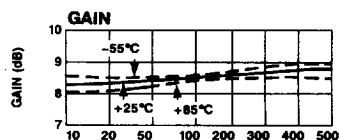
■ Telephone: 800-366-2266

## Low Noise Amplifier

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## Typical Performance



## Pin Configuration

## AMS-181

Pin Number	Description
1	Output
2	DC Input
3	Input
4	Ground

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