



High Performance Amplifiers, 15 dB Gain 5-200 MHz

AM-/AMC-134

- +49 dBm Typical Midband Third Order Intercept
- +29 dBm Typical Midband 1 dB Compression
- 4.8 dB Typical Midband Noise Figure

FP-8

Guaranteed Specifications*

(From -55°C to +85°C Case Temp)

Frequency Range	5-200 MHz
Gain (+25°C) @ 50 MHz	14.6 ± 0.6 dB
Frequency Response	± 0.5 dB Max
Gain Variation with Temperature	+ 0.5, - 1.0 dB Max
Output Power (1 dB Compression)	+ 23 dBm Min
Noise Figure	7 dB Max
Reverse Transmission	- 19 dB Max
	- 21 dB Typ
VSWR	2.5:1 Max
Intermodulation Intercept Point (for two-tone output power to +10 dBm)	
Second Order	+ 55 dBm Min
Third Order (5-200 MHz)	+ 37 dBm Min
Third Order (5-70 MHz)	+ 42 dBm Min
Bias Power	+ 24 VDC @ 130 mA Max (110 mA, 2.6W Typical)

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Rating	
RF Input	+ 23 dBm Max
Bias	26 VDC Max

Environmental

See Appendix for MIL-STD-883 screening option.

Pin Configuration IN, P6; OUT, P1; VDC, P5

*All specifications apply when operated at +24 VDC, with 50 ohm source and load impedance.

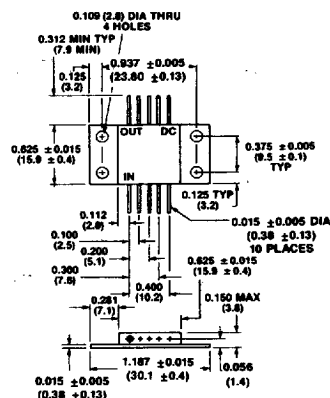
This product contains elements protected by United States Patent Number 3,624,536.

Heat Sinking: Operation at case temperature above 95°C is not recommended. Heat sinking adequate to dissipate 2.6 W. Must be provided in use.

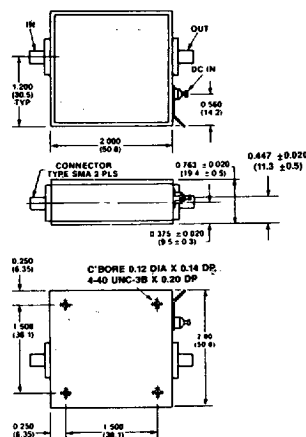
S-Parameters: For typical S-Parameter data, see appendix.

Ordering Information

Model No.	Package
AM-134 PIN	Flatpack
AMC-134 SMA	Connectorized



C-25



Dimensions in () are in mm.
Unless Otherwise Noted: .xxx ± 0.010
.xx ± 0.02

Specifications Subject to Change Without Notice.

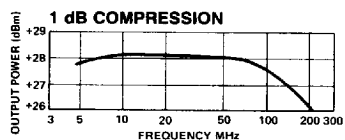
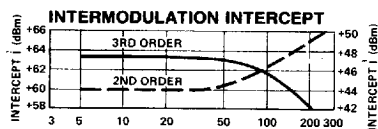
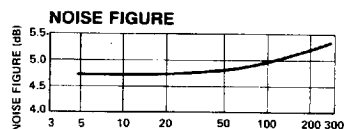
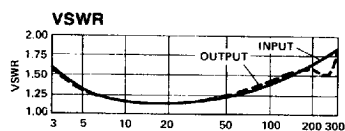
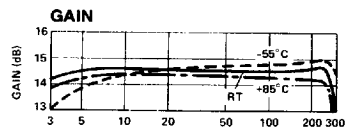
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■ Telephone: 800-366-2266

High Performance Amplifiers

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Typical Performance



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