



High Performance Amplifiers, 10 dB Gain 5-200 MHz

AM-/AMC-132

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

Guaranteed Specifications*

(From -55°C to +85°C Case Temp)

Frequency Range	5-200 MHz
Gain (+25°C) @ 50 MHz	10 ± 0.5 dB
Frequency Response	± 0.5 dB Max
Gain Variation with Temperature	± 0.6 dB Max
Output Power (1 dB Compression)	+25 dBm Min
Noise Figure	6 dB Max
Reverse Transmission	-13 dB Max
	-14 dB Typ
VSWR	1.5:1 Max
Intermodulation Intercept Point (for two-tone output power to +10 dBm)	
Second Order	+54 dBm Min
Third Order (5-200 MHz)	+38 dBm Min
Third Order (5-70 MHz)	+45 dBm Min
Bias Power	+24 VDC @ 130 mA Max (110 mA, 2.6 W 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.

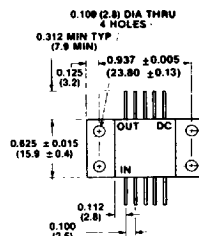
Pin Configuration	IN, P6; OUT, P1; VDC, P5
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*All specifications apply when operated at +24 VDC, with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,624,536.

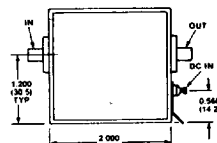
Heat Sinking: Operation at case temperature above 95°C is not recommended. Heat sinking adequate to dissipate 2.6 W. Must be provided in use.

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

FP-8



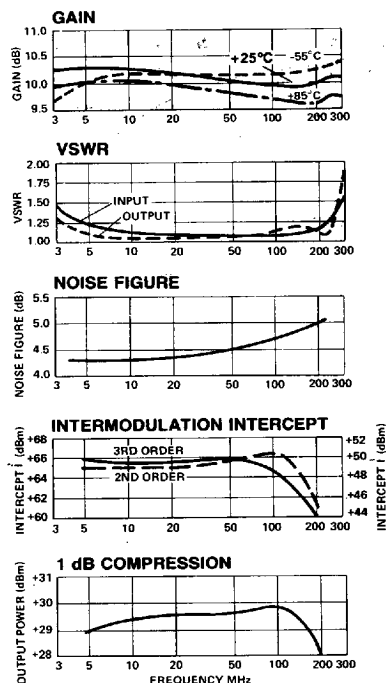
C-25



Dimensions in () are in mm.

See Appendix for complete physical dimensions.

Typical Performance



Ordering Information

Model No.	Package
AM-132 PIN	Flatpack
AMC-132 SMA	Connectorized

Specifications Subject to Change Without Notice.

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