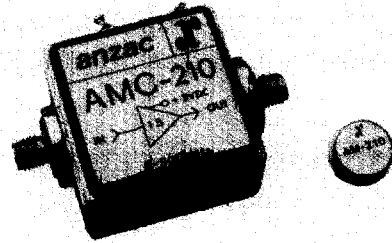




MODELS
AM-/AMC-210

LOW NOISE 5V AMPLIFIER
5-500 MHz GAIN: 15 dB

Low DC Power Requirements —
+ 5V @ 12 mA Typical
1.8 dB Typical Midband Noise Figure
+ 6.5 dBm Typical Midband Output Power



Guaranteed Specifications*

(From -55°C to +85°C Case Temp)

Frequency Range	5-500 MHz	
Gain (+ 25°C) @250 MHz	15.25 ± 0.5 dB	
Frequency Response	± 1.0 dB Max	
Gain Variation with Temperature	± 1.0 dB Max	
Output Power (1 dB Compression)	5-250 MHz	+ 3 dBm Min
	5-500 MHz	0 dBm Min
Noise Figure	5-250 MHz	2.8 dB Max
	5-500 MHz	3.5 dB Max
Reverse Transmission	- 17 dB Max	
	- 19 dB Typ	
VSWR	2.5:1 Max	
Intermodulation Intercept Point (for two-tone output power up to - 5 dBm)		
Second Order	+ 18 dBm Min	
Third Order	+ 12 dBm Min	
Bias Power	+ 5 VDC @ 15 mA Max (12 mA, 60 mW Typ)	

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Rating	RF Input
	+ 10 dBm Max
Package Type	Pin (TO-8-1)
	Connectorized (C-6)

(See pages 472 and 481 for physical dimensions.)

Environmental

These units are designed to meet the environmental and screening requirements of Table 1B, page 497 of the Adams-Russell catalog.

*All specifications apply when operated at +5 VDC, with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,624,536.

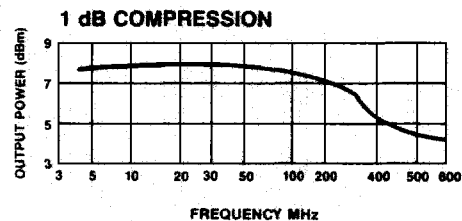
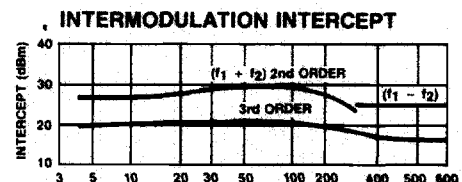
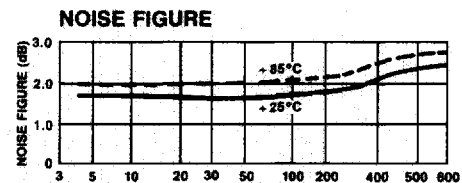
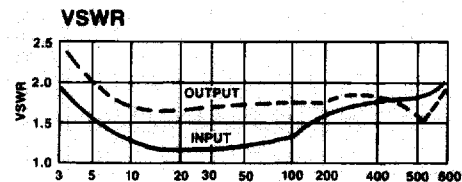
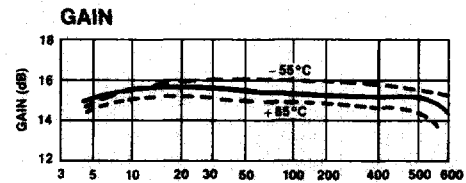
S-Parameters: For typical S-Parameter data, see page 99.

Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
AM-210	8999	Pin	\$ 89
AMC-210	8994	SMA	186

Delivery is from stock.

Typical Performance



ANZAC

Make the Connection . . .

Adams Russell

80 Cambridge Street, Burlington, MA 01803 Fax (617) 273-1921

COMPONENTS GROUP

For Technical Information, Call (617) 273-3333

For Ordering Information, Call (617) 273-3333