



MODELS
AM-/AMC-155

HIGH DYNAMIC RANGE
AMPLIFIER 300-1000 MHz GAIN: 12.5 dB

2.5 dB Typical Midband Noise Figure
+ 21 dBm Typical Midband Output Power
+ 37 dBm Typical Midband Third Order Intercept

Guaranteed Specifications*

(From -55°C to +85°C Case Temp)

Frequency Range	300-1000 MHz	
Gain (+25°C) @ 600 MHz	12.25 ± 1.0 dB	
Frequency Response	± 0.5 dB Max	
Gain Variation with Temperature	± 0.7 dB Max	
Output Power (1 dB Compression)	+18 dBm Min	
Noise Figure		
300-700 MHz	4.0 dB Max	
300-1000 MHz	5.5 dB Max	
Reverse Transmission	-10 dB Max -14 dB Typ	
VSWR	Input	Output
	2.0:1	3.0:1 Max
Intermodulation Intercept Point (for two-tone output power up to +5 dBm)		
Second Order	+40 dBm Min	
Third Order	+27 dBm Min	
Bias Power	+15 VDC @ 60 mA Max (50 mA, 750 mW Typical)	

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Rating	
RF Input	+10 dBm
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 +15 VDC, with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,624,536.

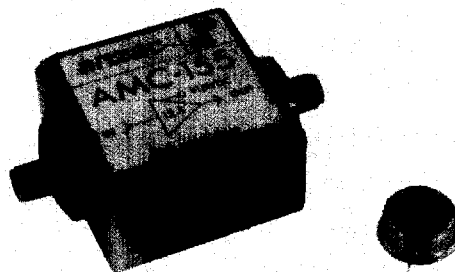
Heat Sinking: Operation at case temperature above 95°C is not recommended. Heat sinking adequate to dissipate 0.90 W. Must be provided in use.

S-Parameters: For typical S-Parameter data, see page 98.

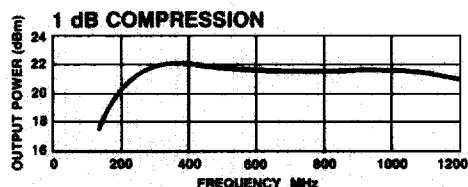
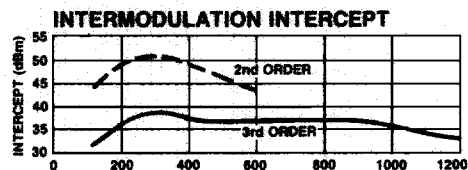
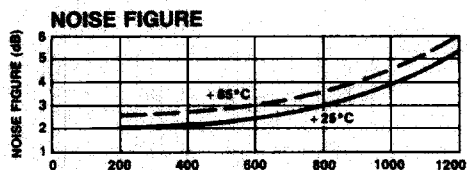
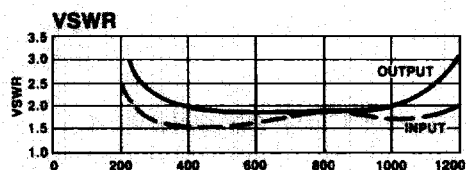
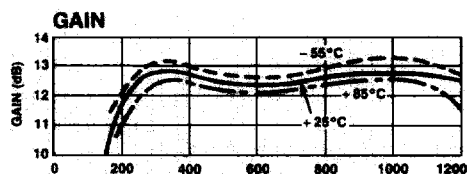
Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
AM-155	6219	Pin	\$133
AMC-155	6214	SMA	230

Delivery is from stock



Typical Performance



ANZAC

Make the Connection...

Adams Russell

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COMPONENTS GROUP

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For Ordering Information, Call (617) 273-3333