



MODELS
AM-/AMC-174

CASCADABLE THIN FILM
AMPLIFIER 5-1000 MHz **GAIN: 15 dB**

2.5 dB Typical Midband Noise Figure
± 0.3 dB Typical Gain Flatness

Guaranteed Specifications*
(From -55°C to +85°C Case Temp)

Frequency Range	5-1000 MHz
Gain (+25°C) @ 500 MHz	15.2 ± 0.5 dB
Frequency Response	± 1.0 dB
Gain Variation with Temperature	± 1.0 dB
Output Power (1 dB Compression)	+2 dBm Min
Noise Figure	3.8 dB Max
Reverse Transmission	-17 dB Max -20 dB Typ
VSWR	2.0:1 Max
Intermodulation Intercept Point (for two-tone output power up to -10 dBm)	
Second Order	+18 dBm Min
Third Order	+14 dBm Min
Bias Power	+15 VDC @ 18 mA Max (16 mA, 290 mW Typical)

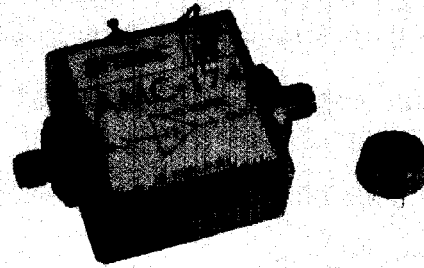
Operating Characteristics

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.)

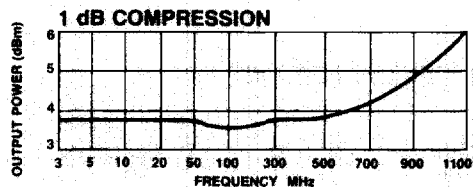
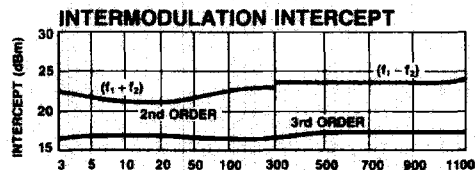
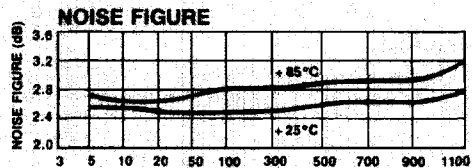
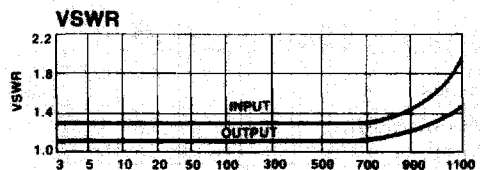
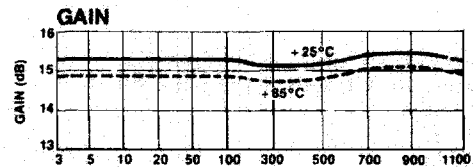
Environmental

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



Typical Performance



Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
AM-174	6269	Pin	\$ 89
AMC-174	6264	SMA	186

Delivery is from stock.

ANZAC

Make the Connection...

Adams Russell
COMPONENTS GROUP

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For Ordering Information, Call (617) 273-3333