

NEW



MODEL AM-291

GaAs BROADBAND AMPLIFIER

0.7 - 5.25 GHz GAIN: 10 dB

+15 Vdc Operation
10 dB Minimum Gain
Monolithic Amplifier Chip in TO-8

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

Frequency Range	0.7 - 5.25 GHz
Gain	10 dB Min
Frequency Response	±1.5 dB Max
Gain Variation with Temperature	±1.5 dB Max
VSWR	2.3:1 Max
Output Power (1 dB Compression)	+10 dBm Min
Noise Figure	6 dB Max
Reverse Transmission	30 dB Min

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Rating	
RF Input	+13 dBm Max
Intermodulation Intercept Point	
(for two-tone output power up to 0 dBm)	
Second Order	+35 dBm Typ
Third Order	+25 dBm Typ
Bias Power	+15 VDC @ 65 mA Max (30 mA Typ, 600 mW Typ)
Package Type	TO-8-1 (See pages 472 for physical dimensions.)

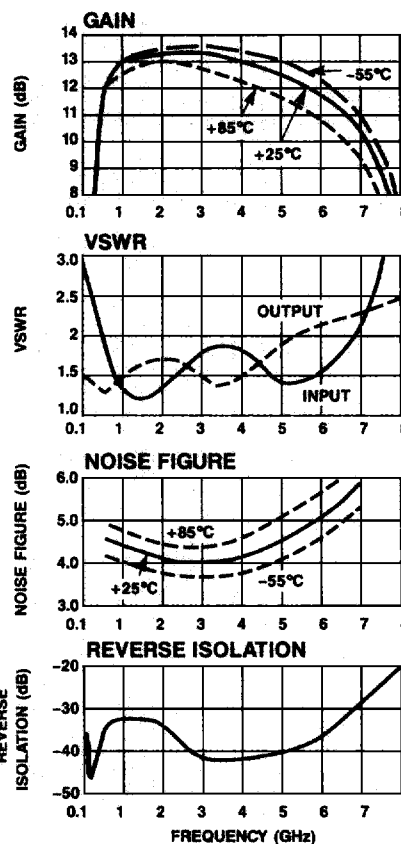
Environmental

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

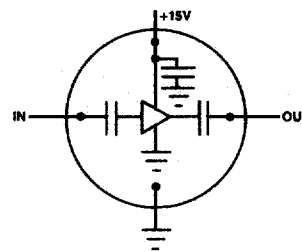
*All specifications apply when operated at +15 VDC, with 50 ohm source and load impedance.



Typical Performance



Pin Configuration



Ordering Information

Model No.	Connector	Unit Price (5-9 Units)
AM-291	PIN	\$180

ANZAC

Make the Connection...

Adams Russell
COMPONENTS GROUP

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For Technical Information, Call (617) 273-3333

For Ordering Information, Call (617) 273-3333