



High Performance Isolation Amplifier, 12.5 dB Gain 20-500 MHz

AM-/AMC-157

- 35 dB Typical Reverse Isolation
- + 42 dBm Typical Third Order Intercept
- + 24 dBm Typical 1 dB Compression
- 1.2:1 Typical VSWR

Guaranteed Specifications*

(From -55°C to +85°C Case Temp)

Frequency Range	20-500 MHz
Gain (+25°C) @ 50 MHz	12.5 ± 0.8 dB
Frequency Response	± 0.5 dB Max
Gain Variation with Temperature	± 1.0 dB Max
Output Power (1 dB Compression)	+ 21 dBm Min
Noise Figure	7.5 dB Max
Reverse Transmission	- 22 dB Max - 30 dB Typ
VSWR	
20-30 MHz	2.0:1 Max
30-500 MHz	1.5:1 Max

Intermodulation Intercept Point (for two-tone output power up to +5 dBm)

Second Order	+ 40 dBm Min
Third Order	+ 30 dBm Min

Bias Power + 15 VDC @ 90 mA Max
(80 mA, 1.2W Typical)

Operating Characteristics

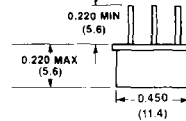
Impedance	50 Ohms Nominal
Maximum Rating	
RF Input	+ 13 dBm
Environmental	
See Appendix for MIL-STD-883 screening option.	

*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 3,426,298.
Heat Sinking: Operation at case temperatures above 95°C is not recommended. Heat sinking adequate to dissipate 1.2 W must be provided in use.
S-Parameters: For typical S-Parameter data, see appendix.

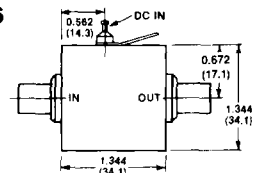
Ordering Information

Model No.	Package
AM-157 PIN	TO-8-1
AMC-157 SMA	Connectorized

TO-8-1



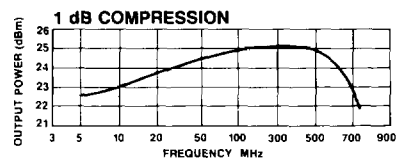
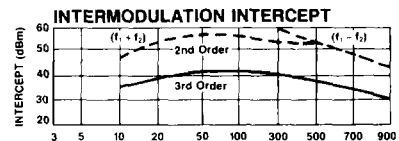
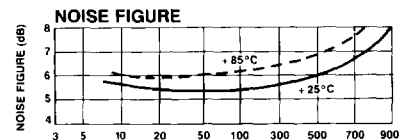
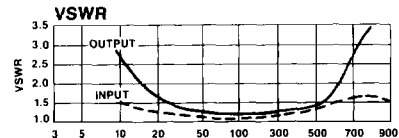
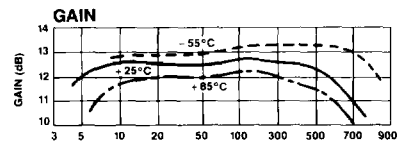
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Dimensions in () are in mm.

See Appendix for complete physical dimensions.

Typical Performance



Specifications Subject to Change Without Notice.