

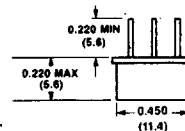


Cascadable Thin Film Amplifier, 19 dB Gain 10-2000 MHz

AM-185

- High Gain, 19 dB
- High Power, +15 dBm Typical
- High 3rd Order Intercept Point, +28 dBm Typical

TO-8-1



Dimensions in () are in mm.

See Appendix for complete physical dimensions.

Guaranteed Specifications*

(From -55°C to +85°C Case Temp)

Frequency Range	10-2000 MHz
Gain (+25°C) @ 1000 MHz	19 ± 1.0 dB Max
Frequency Response	± 1.5 dB Max
Gain Variation with Temperature	± 2.0 dB Max
Output Power (1 dB Compression)	+ 13 dBm Min
Noise Figure	6.8 dB Max
Reverse Transmission	-26 dB Max -29 dB Typ
VSWR	2.0:1 Max
Intermodulation Intercept Point (for two-tone output power up to 0 dBm)	
Second Order	+ 33 dBm Min
Third Order	+ 22 dBm Min
Bias Power	+ 15 VDC @ 90 mA Max (76 mA, 1.14 W Typ)

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Rating	
RF Input	+ 13 dBm Max

Environmental

See Appendix for MIL-STD-883 screening option.

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

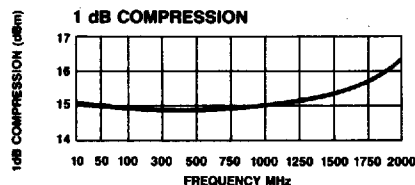
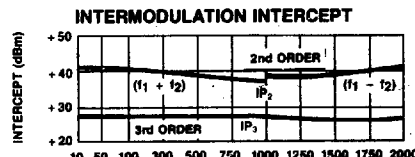
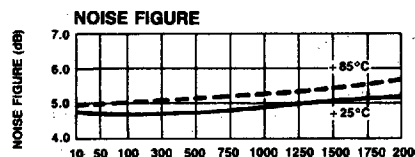
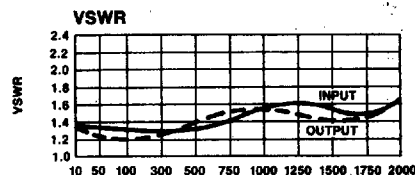
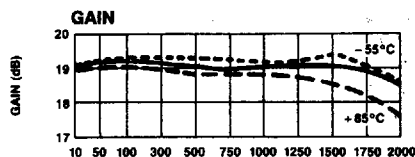
Heat Sinking: Operation at case temperature above 95°C is not recommended. Heat sinking adequate to dissipate 1.5 W. Must be provided in use.

S-Parameters: For typical S-Parameter data, see appendix.

Ordering Information

Model No.	Package
AM-185 PIN	TO-8-1

Typical Performance



Specifications Subject to Change Without Notice.