

1 GHz AMPLIFIER

MODEL HDA-1000

GREAT FOR DIGITAL APPLICATIONS



MODEL HDA-1000

FEATURES



- **Ideal for Off-Air Digital Signals**
- **High-Output**
- **Bi-Directional** (Passive Return)
- **34 dB Gain**
- **Wide Frequency Range** (54-1000 MHz)
- **Push-Pull Circuitry**

HDA-1000 : 1 GHz BI-DIRECTIONAL AMPLIFIER

The HDA-1000 is a unique amplifier combining push-pull, high-output designs with an extended 1,000 MHz range making this amplifier applicable to CATV, off-air, wireless and RF data distribution. The surface mount design (SMD) insures reliability and performance at the highest frequencies. Separate gain and slope controls and a passive return path make this amp ideal for large homes and MDUs.

SPECIFICATIONS

FORWARD PATH	HDA-1000
Frequency	54 - 1000 MHz
Gain	34 dB
Gain Adjust Range	15 dB
Maximum Input (135 Ch.)	5 dBmV
Maximum Output (135 Ch.)	39 dBmV
Flatness	54 - 750 MHz ± 1 dB 750 - 1000 MHz ± 1.5 dB
Noise Figure	6 dB
Cross Modulation (XMOD)	-65 dB (77 Ch.)
Composite Second Order (CSO)	-65 dB (77 Ch.)
Composite Triple Beat (CTB)	-70 dB (77 Ch.)
Slope Compensation	14 dB
RETURN PATH	
Frequency	5 - 42 MHz
Gain	Passive (-2.5 dB)
GENERAL	
Power Requirements	117VAC, 60 Hz, 6 W
Operating Temperature	-10° to 55° Celsius
Dimensions	8" x 3.375" x 2"
Weight	3 lbs.

NOTE: All specifications typical unless otherwise noted