



**BLONDER
TONGUE**

ACA 35-1000

Broadband CATV Distribution Amplifier

toner
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www.tonercable.com



○ Features & Benefits

- One-Way Operation 40 to 1000 MHz
- Discrete Push-Pull Amplifier Stages
- Built-in Variable Gain Control
- Surface Mount Technology

The ACA-35-1000 is an economical 1 GHz indoor broadband distribution amplifier, designed for RF distribution systems, such as apartment complexes, hospitals, schools, prisons, and hotels. The ACA-35-1000 amplifier has 35 dB of operational gain and has a gain control range of 16 dB. These amplifiers employ push-pull discrete amplifier stages with surface mount technology. The ACA -35-1000 is housed in a compact, aluminum chassis that provides excellent heat dissipation. The amplifier is powered via an internal 117 VAC power supply.

○ Specifications

RF

Frequency Range: 40-1000 MHz
 Channel Loading: 70
 Flatness: ± 1.00 dB
 Gain: 35 dB
 Noise Figure (a): 11 dB
 Output Level: +30/+40 dBmV
 Input Test Port Level: -20, ± 2 dB
 Output Test Port Level: -20, ± 2 dB
 Gain Control Range: 18 dB
 Composite Triple Beat - CTB (b): -66 dB
 Cross Modulation - XMOD (b): -65 dB
 Second Order (b): -66 dB
 Hum Modulation: -65 dB
 Impedance - All Ports: 75 Ω
 Return Loss
 Input: 12 dB
 Output: 10 dB

Controls (Top Panel)

Gain: Control

Indicators

Power ON: Red LED

General

Power Requirements
 Voltage: 117, $\pm 10\%$ VAC
 16 VAC
 Frequency: 60 Hz
 Power: 15 W
 Temperature Range: 0 to +50 $^{\circ}$ C

Mechanical

Dimensions (H x W x D):
 7.25 x 6.00 x 1.75 in.
 184 x 152 x 44 mm
 Weight: 3.63 lbs., 1.65 kg

Connectors

Power DIN, 5 Pin
 RF Input: "F", Female
 RF Output: "F", Female
 Output Test Port: "F", Female

Notes

- (a) Measured at full gain with 0 dB slope.
 (b) At rated output capability and channel loading.

○ Ordering Information

Model	Stock No.	Description
ACA-35-1000	5470	Apartment Complex Amplifier 35 dB, 40-1000 MHz, Push-Pull Discrete