

550 & 860 MHz CATV DISTRIBUTION AMPLIFIERS

Features:

- Designed for home/apartment systems.
- High Output - Low Noise.
- Push-Pull for Low distortion.
- Adjustable Gain and Slope Control.
- Input and Output test points.



PUSH PULL CATV AMPLIFIERS
With Tilt and Gain Control

ACA-305 50 - 550 MHz
ACA-308 50 - 860 MHz

Specifications:

Model No.	ACA-305	ACA-308
Bandwidth	5 - 550 MHz	50 - 860 MHz
Gain:	30 dB	32 dB±1
Gain Control:	0-20 dB	0-18 dB
Max. Output:	45 dBmV	45 dBmV
Test Point	- 20 dB	- 20 dB
Noise Figure:	6.5 dB	7.5 dB
Flatness:	± 1 dB	± 1 dB
Input Return Loss: (Min.)	15 dB	16 dB
Output Return Loss: (Min.)	12 dB	13 dB
Tilt Control:	0 -10 dB	0 -18 dB
Power Requirement: 115 VAC, 60 Hz, 4 W	
Operating Temperature: -0° to + 50° C	
Dimensions: 8"Lx4-1/2"Dx2"H	

1 GHz CATV DISTRIBUTION AMPLIFIERS



AMP-25GT
25 dB GAIN 1 GHz AMPLIFIER
With Tilt and Gain Control



ACA-301G
30 dB GAIN 1 GHz AMPLIFIER
With Gain Control

Specifications:

Model No.	AMP-25GT	ACA-301G
Gain:	25 dB	30 dB
Gain Control:	0-10 dB	0-20 dB
Max. Output:	40 dBmV	46 dBmV
Bandwidth	54 - 1000 MHz	50 - 1000 MHz
Test Point	N/A	-20 dB
Noise Figure:	6.5 dB	6.0 dB
Cross Modulation:	-58 dB	-60 dB
2nd Order Intermod:	-70 dB	-70 dB
Flatness	±1 dB	±1 dB
Input Return Loss:	18 dB Min.	18 dB
Output Return Loss:	12 dB Min.	12 dB
Tilt Control:	0-10 dB	N/A
Hum Modulation:	-60 dB	-65 dB
CTB:	-60 dB	-65 dB
Power Requirements: 115 VAC, 60 Hz, 4 W	
Dimensions:	6" L x 2" D x 1-1/2" H	9-3/4" L x 5" D x 2-1/2" H

Note:

Maximum output levels will vary with the number of channels. Exceeding specific input levels will cause intermodulation and picture distortion.

Model No.	ACA-305	ACA-308	AMP-25GT	ACA-301G
Bandwidth MHz	50 - 550	50 - 860	50 - 1000	50 - 1000
Gain (dB):	30	30	25	30
Channel Capacity	77	125	140	140
Maximum Output: (dBmV)	45	45	40	46