



## CA-30/\* Series Push-Pull Distribution Amplifier

- 30dB gain for optimal carrier to noise ratio and superior picture quality
- Employs state-of-the art hybrid push-pull technology for distortion-free audio-video quality
- Adjustable slope and gain controls for easy system balancing
- Easy-access controls and low-loss (-20dB) test point enable simplified setup and performance monitoring
- Shielded enclosure provides over 95dB RFI shielding performance reducing leakage and ingress
- Built-in lightning and line voltage surge protection protects the unit from damage

### CA-30/550

Total # of Channels	Input Level (dBmV)	Output Level (dBmV)
12	19	51
24	16	48
36	15	47
48	13	45
72	12	44
82	11	41

### CA-30/1000

Total # of Channels	Input Level (dBmV)	Output Level (dBmV)
12	23	53
24	20	50
36	19	49
48	17	47
72	16	46
96	14	44
144	13	43
158	12	42

### CA-30/1000 & CA-30/550 Specifications

<b>Bandwidth-CA-30/1000</b>	54~1000MHz	<b>Composite Second Order(FWD)</b>	70dB
<b>Bandwidth-CA-30/550</b>	54~550MHz	<b>Composite Triple Beat (FWD)</b>	61dB
<b>Gain (FWD) 54~1000 MHz</b>	30dB	<b>Input Test Point Loss</b>	20dB
<b>Gain (FWD) 54~550 MHz</b>	30dB	<b>Power Input</b>	115VDC
<b>Max. Output (158 ch.) (CA-30/1000)</b>	40 dBmV	<b>Power Required</b>	4Watt
<b>Max. Output (82 ch.) (CA-30/550)</b>	43 dBmV	<b>Dimensions</b>	8"(L) x 2.75"(D) x 4.5"(H)
<b>Flatness</b>	0.5dB	<b>Weight</b>	2.3 lbs.
<b>Noise Figure (FWD)CA-30/1000</b>	5dB		
<b>Noise Figure (FWD) CA30/550</b>	4.5dB		

### CA-30/870AR Specifications

<b>Frequency Range</b>		<b>Return Path</b>	
Forward path	54-870MHz	Gain	20dB
Return path	5-42MHz	Flatness	±0.5dB
<b>Forward Path</b>		Gain control range	10dB
Gain	30dB	Return loss	-15dB
Flatness	±1.0dB, 54-870MHz	Input level	115 dBμV @ 36MHz
Gain control range	10dB	<b>Power Adaptor</b>	
Tilt control range	10dB	Input	100-240Vac 50/60Hz
Noise figure	6dB, 54-550MHz	Output	24VDC, 1A
	4dB, 550-870MHz	<b>Connectors</b>	
Return loss	-14dB, 54-550MHz	Input/Output	"F" type female
	-12dB 550-870MHz	Power	1.3mm DC power jack
		<b>Dimenions</b>	9" (L) x 4.5" (D) x 1.87" (H)
		<b>Weight</b>	2.5 lbs.

### Ordering Information

<b>CA-30/550</b>	550MHz Push-Pull Distribution Amplifier
<b>CA-30/1000</b>	1GHz Broadband Push-Pull Distribution Amplifier
<b>CA-30/870AR</b>	870MHz Bidirectional CATV Distribution Amplifier