



CA30/550

550MHz Push-Pull Distribution Amplifier

TRU SPEC™
A PICO MACOM REGISTERED TRADEMARK



- ▶ **Broadband 54-550MHz frequency range (Channels CATV 2-78, 95-99)**
- ▶ **Available in either 30dB or 45dB gain configurations for optimal carrier-to-noise ratio and superior picture quality**
- ▶ **± 0.5dB flatness across band provides low distortion and excellent frequency response**
- ▶ **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**
- ▶ **Black anodized extruded aluminum heat-sink maximizes heat dissipation for improved reliability and corrosion resistance**
- ▶ **Also available in a rack mount version as CA30RK-550 (30dB) and CA45RK-550 (45dB) Headend Amplifiers**



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The Pico Macom CA30/550 is a high quality push-pull wall-mounted distribution amplifier producing signals with extremely low-noise and harmonic distortion. This amplifier is capable of 82 channel operation over the 54-550MHz range, and makes an excellent distribution system amplifier in MDU, CATV, and SMATV systems. Because of its extremely low-noise figure and low distortion, the CA30/550 is ideally suited for use in larger networks where amplifier cascading is required. In expanding bi-directional broadband systems, Pico Macom's PIDA series bi-directional amplifiers should be used.

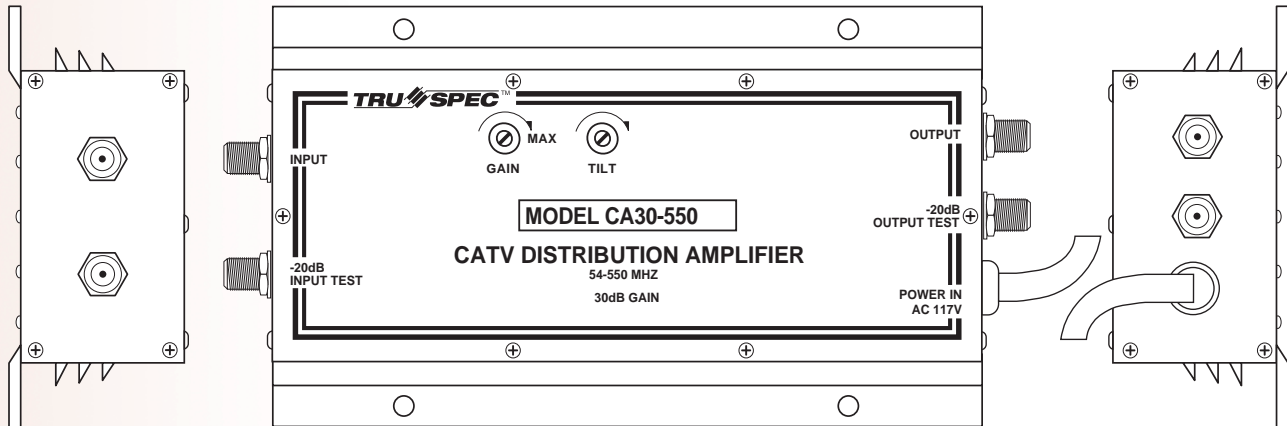
Order From:



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550MHz Push-Pull Distribution Amplifier



Specifications

Bandwidth:	54-550 MHz	Composite Triple Beat:	-61 dB
Gain:	30 dB	Return Loss In:	16 dB
Gain Adjust Range:	8 dB	Return Loss Out:	16 dB
Slope Adjust Range:	8 dB	Test Points:	-20 dB
Flatness:	± .5 dB per channel	Power Input:	115 VAC, 60 Hz, 4 W
Max. Output @ Max Slope:	45 dBmV (54 channels)	Operating Temperature:	-10° to +50° C
	-57 dB cross modulation)	Dimensions:	8"(L) x 2 ³ / ₄ "(D) x 4 ¹ / ₂ "(H)
Noise Figure:	5.0 dB	Weight:	2.3 lbs.
Second Order Beats:	-70 dB		

Channel Loading Specifications

Total # of Channels	Max. Input Level	Max. Output Level @ Max Slope
7	44 dBmV	66 dBmV
12	41 dBmV	63 dBmV
36	32 dBmV	54 dBmV
54	23 dBmV	45 dBmV
78	18 dBmV	40 dBmV

Ordering Information

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