

AD-708 Wideband 4-channel Auto Gain-Control Antenna Divider

Profile

The AD-708 is MIPRO's innovative antenna divider which works with the MPB-30 gain-controlled antenna booster. It can detect the signal loss of the cables between the divider and the booster to control the gain level of the MPB-30 booster or AT-70Wa / 90Wa / 100a automatically. The AD-708 can compensate for the signal loss precisely, thereby solving antenna system installation issues to achieve optimal receiving performance.

Key Features

- Equipped with an automatic signal loss detector, the AD-708 is designed to work with an MPB-30 gain-controllable antenna booster. It can control and compensate for the signal loss of antenna cables precisely and automatically in order to avoid the intermodulation caused by the higher gain supply from the booster.
- It shares the same features with the AD-707a wideband antenna divider and is compatible with the MPB-20 to compensate for the signal loss of cables, but cannot change the gain of the boosters themselves.
- The AD-708 is housed in an EIA-Standard 1U metal case with a bright LED indicator to identify antenna cable signal loss as well as the booster compensation status.
- It makes it fast and easy to install antenna systems without worrying about the calculations of signal loss of antennas and cables or booster specifications.

Technical Specifications

Frequency Range	UHF 470 – 850 MHz
IIP3	+32 dBm
RF Output Gain	+1.0 dB \pm 1 dB
Input/Output Gain	+1.0 dB \pm 1 dB
Output Port Isolation	>18 dB at 400 – 1000 MHz
Filter Selection	Low sideband \geq 35 dB ; High sideband \geq 30 dB
Input / Output Connectors	2 sets of 1-to-4 active divider outputs, 2 sets of 1-to-1 active outputs. TNC female. 50 Ω impedance.
Antenna Input Power Supply	Antenna A/B input port supplies bias 8.3 V DC, 230 mA max. to booster
Detection of Signal Loss from Cable	Detects the signal loss of cables automatically to control the gain of MPB-30 or AT-70Wa / AT-90Wa / AT-100a
Power Supply	12 – 15 V DC
Current Consumption	Approx. 242 mA at 12 V DC Input
Dimension (W x H x D)	420 x 44 x 180 mm / 16.5 x 1.7 x 7.1"
Weight	Approx. 1.5 kg / 3.3 lbs



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