

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

Profile

The AD-708 is designed to work with an MPB-30 gain-controllable antenna booster to detect the signal loss to 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. The users don't have to worry about the calculations of signal loss of antennas and cables or booster specifications. It has a bright LED indicator to identify antenna cable signal loss as well as the booster compensation status. It is an ideal device for the multi-channel receiver installation in EIA standard cabinets.

AD-708 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.

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
Signal Loss Detection	Detects the signal loss of cables automatically.
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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