

AD-707a UHF Wideband 4-Channel Antenna Divider

Key Features

- Optimized for the 470 – 850 MHz carrier frequency range, the AD-707a is fully compatible with US and EU telecom regulations.
- Allows 2 – 4 sets of UHF diversity receivers to operate from a pair of antennas, greatly simplifying antenna installation and increasing reception range and efficiency.
- Built with the latest high dynamic-range components and wideband microstrip circuit design, it features ultra-low intermodulation distortion, and eliminates spurious interference in multiple system usage. System output gain approximately equals to 1.
- Output connectors provide bias for a ground plane antenna with antenna booster and a wideband receiving log antenna with built-in booster.
- It has 2 sets of 4-channel antenna output connectors for direct connection to 4 sets of diversity receivers.
- It provides 2 sets of antenna input and output connectors.
- The output connector can be linked to the input connector of another antenna divider.
- Booster power indicators assist with identifying the booster linkage.

Technical Specifications

Antenna Splitter	2 sets of 1-to-4 active divider outputs, 2 sets of 1-to-1 active outputs
Frequency Range	470 – 850 MHz
IIP3	+32 dBm
RF Output Gain	+1.0 dB ± 1 dB
Input / Output Gain	+1.0 dB ± 1 dB
Output Port Isolation	>18 dB at 400 – 1000 MHz
Filter Selection	Low sideband ≥35 dB ; High sideband ≥30 dB
Impedance	50 Ω
Connector	TNC Female
Antenna Input Power Supply	Antenna A/B input port supplies bias 8.3 V DC, 230 mA max. to booster
Power Supply	12 – 15 V DC
Current Consumption	Approx. 190 mA at 12 V DC
Dimension (W × H × D)	482 × 44 × 190 mm / 19 × 1.7 × 7.5 "
Weight	Approx.1.5 kg / 3.3 lbs



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