

AD-707

UHF Four-Channel Antenna Divider



Features

AD-707 is compatible with any 2~4 ACT-series receivers or other true diversity receivers. Four UHF diversity receivers can be operated from just a pair of antennas, greatly reducing antenna installations clutter and increasing receiving range and efficiency.

AD-707 adopts the latest wide dynamic range and low noise component, advanced circuit design featuring very low inter-modulation distortion and eliminates the spurious interference in multiple system usage. System output gain equals to 1.

It is compatible with any antennas within its wideband ranges like AT-20 Coaxial Antenna, AT-70 UHF Ground Plane Antenna and AT-90T UHF Log Periodic Dipole Array Antenna.

The input antenna connector provides power for the optional AT-70B antenna booster and AT-90R UHF Active Log Periodic Dipole Array Antenna.

Specifications

1. Frequency Range: 620~960MHz \pm 3dB.
2. Third Order Interception: +20dBm.
3. Gain: +1.0dB (Center Band).
4. Output Port Isolation: 15dB min.
5. Impedance: 50W.
6. Bandwidth: 32MHz.
7. Connector: TNC female.
8. Power Supply: DC 12-18V.
9. Current Drain: @ 176mA.
10. Dimensions (m/m): 482(L) x 44 (H) x 190(D).
11. Weights: 1.55Kg.



AD-808 UHF 4-Channel Active Antenna Combiner



Functions

AD-808 is a half-rack size, 4-input, 1-output professional active antenna combiner. It operates between 600MHz - 900MHz band and connects four MIPRO MI-808T In-ear monitoring transmitters to greatly improve RF performance and reduces chances for signal dropouts.

Features

- 600-900MHz wideband.
- Up to four wireless transmitters can be combined into one transmitting antenna.
- Input Signal Indicator Threshold when input signal $>+6\text{dBm}$.
- Maximum RF input power $+20\text{dBm}$ efficiency (100mW)
- Ideal intermodulation characteristic (full band performance $+15\text{dBm}$ two-tone test, 3rd order IM $< -57\text{dBc}$)

Specifications

- Frequency Range: 600-900 MHz.
- Full System Gain: 0 +/- 2dB
- Input / Output VSWR: $<1.5:1$
- Maximum RF Input Power: $+20\text{dBm}$
- Input Signal Indicator Threshold: $+6\text{dBm}$
- Power Consumption: 9.12W (12V, 760mA)
- Input / Output Connector Type TNC-type female, (4-input, 1-output)
- Dimensions: 210(Long), 206(Width), 44(Height)
- Weight: approx. 1.1kg.



Rear Panel

AD-90S

UHF 4-Channel Wideband Power Splitter



Key Features

- AD-90S is a UHF wideband 600-960MHz, 1-input, 4-output power antenna splitter with maximum output level of up to +26dBm(0.4W)
- Compatible with up to 4 MIPRO AT-90T Wideband Passive Directional Antennas. Primarily operates with 4 MI-808T In-ear Monitoring Transmitters or 4 MT-90 Wireless Interlinking Transmitters to divide signal into 4 parts for large installations with no harm to signal itself but with reliable signals and long distance transmission.
- It can also be connected to AD-90A, Power Amplifier to greatly increase signal efficiency, therefore, extremely long distance transmission with difficult RF difficult and most demanding outdoor wireless applications.

Specifications

Bandwidth	600 ~ 960 MHz
Full System Gain	0~2dB
VSWR Input / Output	≤1.5:1
Maximum outputs	Up to 4 outputs
Input Signal Indicator Threshold	+3dBm
Maximum RF Input Power	+26dBm
Power Supply	DC 12~15V
Power Consumption	760mA
Input / Output Connectors	TNC female (1 input, 4 output)
Dimensions	210(L) x206(W) x44(H)mm
Weight	1.1Kg
Operating Environment	-10 ~ 60°C

■ Application of AD-90S with MI-808T Stereo Transmitter & AT-90T Passive Directional Antenna.



■ Application of AD-90S with MT-90 Wireless Interlinking Transmitter & AT-90T Passive Directional Antenna.



Transmission Enhancement Application

■ Application of AD-90S with MI-808T Stereo Transmitter & AD-90A Wideband High Power Amplifier



■ Application of AD-90S with MT-90 Wireless Interlinking Transmitter & AD-90A Wideband High Power Amplifier



AD-90A

UHF Wideband High Power Amplifier



Key Features

- AD-90A is a professional UHF 600~960MHz wideband power amplifier with maximum output power of +30dBm (1W).
- AD-90A is compatible with MIPRO's MI-808T Stereo Transmitter, MT-90 Wireless Linking Transmitter and AD-90S UHF Wideband Power Splitter as an end-amplifier to boost signal before transmitting for applications that greatly needing extended RF transmission distance, maintains a clear and reliable signals and reduces chance for signal dropouts of extremely difficult RF environments.
- Ideally suited for large outdoor installation sites requiring wireless transmission to remote powered, active speakers.
- To complete a high efficient, long distance transmission combination AD-90A can be connected to AT-90T UHF Wideband Unidirectional Antenna.

Specifications

Bandwidth	UHF 600 ~ 960MHz
Full System Gain	8±1dB
VSWR Input / Output VSWR	≤2:1
Input Signal Indicator Threshold	+6dBm
Maximum RF Input Power	1W
Power Supply	DC 12-15V
Power Consumption	370mA
Input / Output Connectors	TNC Female (1 input, 4 output)
Dimensions	210(L) x206(W) x44(H)mm
Weight	1.1Kg
Operating Environment	-10 ~ 60°C

■ Application of AD-90A with MI-808T Stereo Transmitter & AT-90T Passive Directional Antenna.



■ Application of AD-90A with MT-90 Wireless Interlinking Transmitter & AT-90T Passive Directional Antenna.



■ Application of MT-90 Wireless Interlinking Transmitter & AT-90T Passive Directional Antenna.

