

UHF Constant Impedance Combiner

Dual Digital 10 kW rms, 6 Pole

BAND IV-V

10
year
GUARANTEE

PRODUCT FEATURES

- Available with cross-coupling
- Compact design
- 6 port U-link with splitter included
- Combiner and mask filtering in the same unit
- Low insertion loss
- Filter for critical mask
- Temperature compensated
- Retunable
- Adjustable bandwidth for 6, 7 or 8 MHz
- 10-year comprehensive warranty

PRODUCT PROFILE

This dual combiner is ideal for stations with two antenna halves, a method often used to allow broadcasting to continue over one antenna half while the other is being serviced. The combiner modules are among our most flexible RF systems, featuring multiple connector variations, UHF band tunability, temperature stability and more. The dual combiner comes complete with a 6-port patch panel with splitter for easy rerouting of the signal flow. In addition, it is built on a sturdy frame that enables several units to be connected together in a simple and space-saving manner.



ARTICLE	COM4-6BPF-AJ00
FREQUENCY	470 - 860 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT

MAXIMUM INPUT POWER / INPUT	10 kW rms
INPUT VSWR	<1.1 (>26 dB)
INPUT CONNECTOR	3 1/8" unflange
INSERTION LOSS	No cross-coupling
Centre frequency	<0.35 dB
±3.8 MHz	<0.65 dB
±4.2 MHz	>2 dB
±6.0 MHz	>24 dB
±12.0 MHz	<64 dB

Data in table is typical according to a standard tuned 8 MHz channel bandwidth. The combiner can be tuned for other specifications or bandwidths, please contact us for a specification designed for your requirements.

All average power values and technical data refer to an ambient temperature of +20-25 °C with normal air flow. The product will have a maximum surface temperature of +60 °C. Maximum power capacity may be lower depending on channel allocation. The maximum output power is specified at 600 MHz.

WIDEBAND INPUT

INPUT VSWR	<1.05 (>32 dB), 2 specified channels
INPUT CONNECTOR	3 1/8" unflange
INSERTION LOSS	
±24 MHz	<0.05 dB
±16 MHz	<0.05 dB
±8 MHz	<0.1 dB

ISOLATION

NARROWBAND - WIDEBAND	>36 dB		
WIDEBAND - NARROWBAND			
±8 MHz from narrowband Cf	<60 dB	<55 dB	<50 dB
±24 MHz from narrowband Cf	<80 dB	<70 dB	<60 dB
MINIMUM CHANNEL SPACING	1 free channel	Adjacent	Adjacent

OUTPUT

MAXIMUM OUTPUT POWER	2 x 15 kW rms
OUTPUT CONNECTOR	3 1/8" unflange

DIMENSIONS AND WEIGHT

DIMENSIONS	1620 x 1060 x 1200 mm
L x W x H	(64 x 42 x 47 in)
WEIGHT	~400 kg (~882 lb)