

# DAB/DMB Constant Impedance Combiner

4 kW rms, 6 Pole

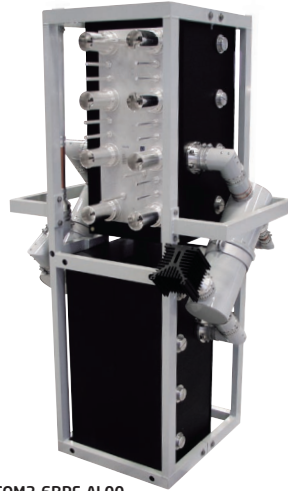


## PRODUCT FEATURES

- With two physical notches
- Flexible modular design
- Critical and non-critical mask
- Temperature compensated
- Retunable
- 10-year comprehensive warranty

## PRODUCT PROFILE

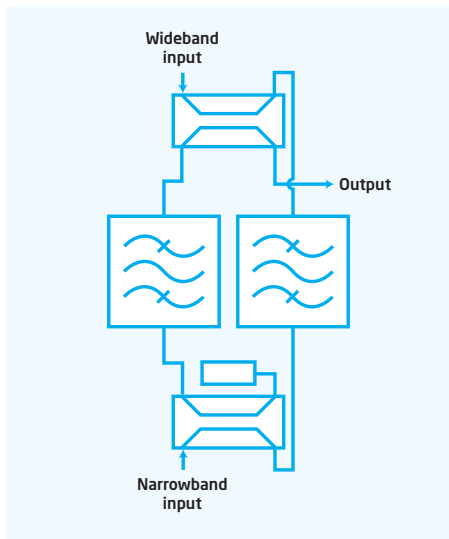
This space-saving combiner is built with our 2 kW notch filter to provide very sharp filtering and to make room for more channels. It is available in two alternative configurations, upright and low-profile, to provide optimal fit within a station's available space.



COM3-6BPF-AL00



COM3-6BPF-AM00



Data in tables is typical. 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.

ARTICLE	COM3-6BPF-AL00	COM3-6BPF-AM00
FREQUENCY	174 - 240 MHz	174 - 240 MHz
IMPEDANCE	50 Ohm	50 Ohm

NARROWBAND INPUT		
MAX INPUT POWER	4 kW rms	4 kW rms
INPUT VSWR	<1.1 (>26 dB)	<1.1 (>26 dB)
INPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange
INSERTION LOSS		
Centre frequency	<1.0 dB	<1.0 dB
±0.77 MHz	<1.8 dB	<1.8 dB
±0.97 MHz	>20 dB	>20 dB
±1.75 MHz	>44 dB	>44 dB
±3.00 MHz	>70 dB	>70 dB

WIDEBAND INPUT		
INPUT VSWR	<1.05 (>32 dB), 2 specified channels	<1.05 (>32 dB), 2 specified channels
INPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange
INSERTION LOSS		
±3.00 MHz	<0.1 dB	<0.1 dB
±1.712 MHz	<0.3 dB	<0.3 dB

ISOLATION AND CHANNEL SPACING		
NARROWBAND - WIDEBAND	>30 dB	>30 dB
WIDEBAND - NARROWBAND		
±3.00 MHz from narrowband Cf	<80 dB	<80 dB
±1.712 MHz from narrowband Cf	<70 dB	<70 dB
MINIMUM CHANNEL SPACING	Adjacent	Adjacent

OUTPUT		
MAXIMUM OUTPUT POWER	30 kW rms	30 kW rms
OUTPUT CONNECTOR	3 1/8" unflange	3 1/8" unflange

DIMENSIONS AND WEIGHT		
DIMENSIONS		
L x W x H	693 x 940 x 1733 mm (27.3 x 37.0 x 68.2 in)	841 x 863 x 1239 mm (33.1 x 34.0 x 48.8 in)
WEIGHT	~300 kg (~661 lb)	~300 kg (~661 lb)