

UHF Constant Impedance Combiner

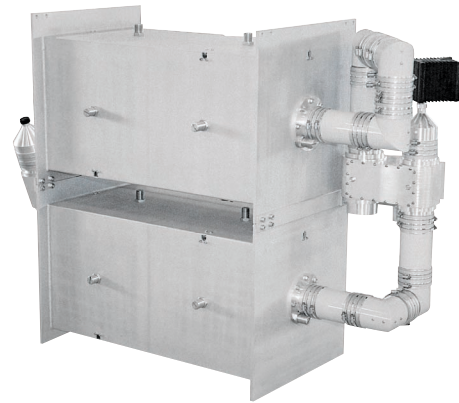
BAND IV-V

10 year GUARANTEE

7 and 24 kW rms, 2 Cavities, Triple-mode

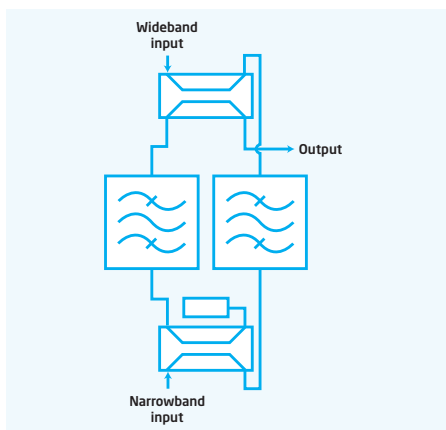
PRODUCT FEATURES

- Compact design
- Patented filters
- Design based on triple-mode waveguide technology
- Extremely sharp filter characteristics
- Suitable for adjacent channels
- Filter for critical mask
- High isolation
- Dry loads
- Very accurate temperature compensation
- With Cross-Coupling
- 10-year comprehensive warranty



PRODUCT PROFILE

This powerful combiner is ideal for digital networks, taking full advantage of the benefits offered by a small waveguide filter with very high rejection. The minimal size is attributed to triple-mode operation. Developed for adjacent channel combining, this unit features very low insertion loss and excellent temperature and group delay stability



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.

ARTICLE	COM4-2WGF-AA00
FREQUENCY	470 - 860 MHz
IMPEDANCE	50 Ohm

NARROWBAND INPUT	
MAXIMUM INPUT POWER	7 - 24 kW rms depending of channel
INPUT VSWR	<1.1 (>26 dB)
STANDARD INPUT CONNECTOR	RL98 unflange
INSERTION LOSS	
Centre frequency	<0.25 dB
±3.8 MHz	<0.8 dB
±4.2 MHz	>8.5 dB
±6.0 MHz	>25 dB
±12.0 MHz	<55 dB

WIDEBAND INPUT	
INPUT VSWR	<1.05 (>32 dB)
STANDARD INPUT CONNECTOR	RL98 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
±24 MHz from narrowband Cf	>80 dB
MINIMUM CHANNEL SPACING	Adjacent

OUTPUT	
MAXIMUM OUTPUT POWER	30 kW rms
STANDARD OUTPUT CONNECTOR	RL98 unflange

DIMENSION AND WEIGHT	
DIMENSIONS	
L x W x H	900 x 500 x 1000 mm (35 x 20 x 39 in) according to channel
WEIGHT	~250 kg (551 lb) according to channel