

UHF Constant Impedance Combiner

24 and 30 kW rms, 3 Cavities

BAND IV-V

10 year GUARANTEE

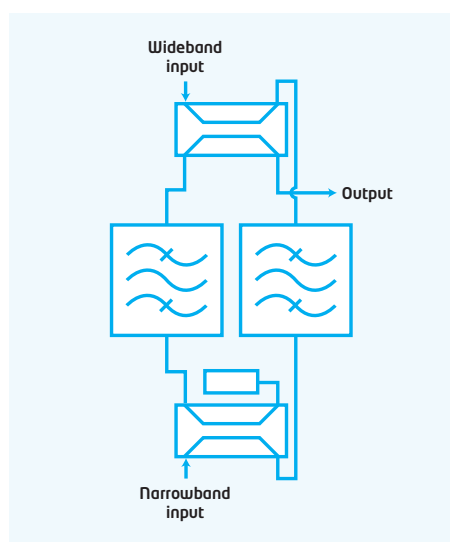


PRODUCT FEATURES

- Flexible modular design
- High isolation
- Low insertion loss
- Dry loads
- Convection cooled
- Suitable for use with IOT or solid state transmitter in combined operation for vision/sound to eliminate out-of-band products
- 10-year comprehensive warranty

PRODUCT PROFILE

For channel combining applications only, this cost-effective unit will combine digital or analogue channels that are already mask compliant. The waveguide single-mode filters provide high isolation with low insertion loss in a very compact assembly. The unit is available with hybrids for higher power and NAX 120 connections.



ARTICLE	COM4-3CWG-A001 / COM4-3WGF-AC00
FREQUENCY	470 - 860 MHz
IMPEDANCE	50 Ohm
NARROWBAND INPUT	
MAXIMUM INPUT POWER	24 kW rms / 30 kW rms
INPUT VSWR	<1.1 (>26 dB)
INPUT CONNECTOR	RL 98 unflanged
INSERTION LOSS	
Centre frequency	<0.1 dB
±3.8 MHz	<0.1 dB
±4.2 MHz	<0.1 dB
±6.0 MHz	>1.0 dB
±12.0 MHz	>14 dB
WIDEBAND INPUT	
INPUT VSWR	<1.05 (>32 dB), 2 specified channels
INPUT CONNECTOR	RL 98 unflanged
INSERTION LOSS	
±24 MHz	<0.05 dB
±16 MHz	<0.05 dB
±8 MHz	<1.4 dB
ISOLATION	
NARROWBAND - WIDEBAND	>36 dB
WIDEBAND - NARROWBAND	
±8 MHz from narrowband Cf	>36 dB
±24 MHz from narrowband Cf	>70 dB
MINIMUM CHANNEL SPACING	
	2 free channels
MAXIMUM OUTPUT POWER	36 kW rms
OUTPUT CONNECTOR	RL 98 (optional NAX 120)
DIMENSIONS	
	980 x 667 x 1000 mm
	(38.6 x 26.2 x 39.4 in) acc. to ch.
WEIGHT	~150 kg (330 lb) according to channel