

DAB L-Band Constant Impedance Combiner

2 kW rms, 2 Cavities, Dual-mode

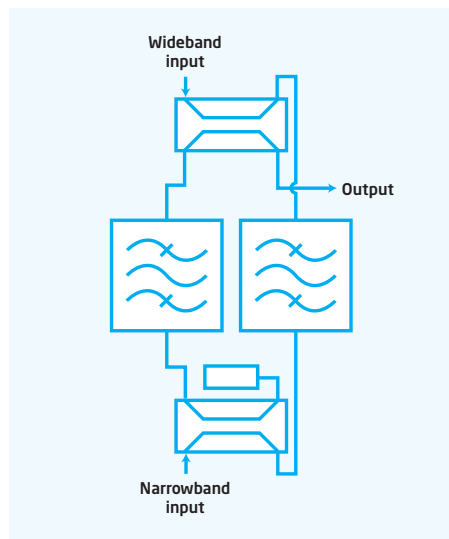
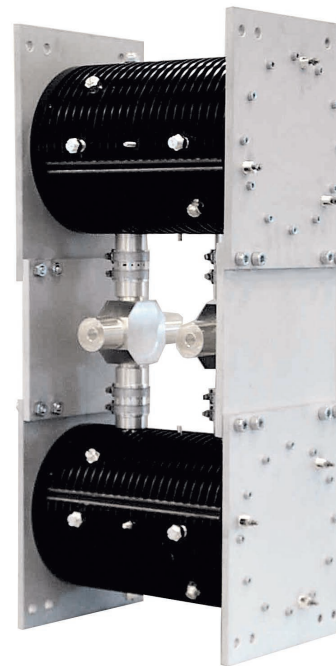


PRODUCT FEATURES

- Cross-coupling
- Compact design
- Dual-mode reduces weight and volume
- Very stable
- Retunable
- 10-year comprehensive warranty

PRODUCT PROFILE

L Band DAB combiners are a compact development of our Dual Mode waveguide filter technology to bring low loss and high isolation functions to DAB combining situations. The combiners are temperature compensated and convection cooled handling average powers up to 2 kW. DAB broadband hybrids and air-cooled loads complete this cost-effective design.



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.

ARTICLE	COML-2BPF-AA00
FREQUENCY	1452 - 1492 MHz
MAXIMUM POWER	2 kW rms
IMPEDANCE	50 Ohm
VSWR	<1.1 (>26 dB)
INSERTION LOSS	
Centre frequency	<0.7 dB
±0.77 MHz	<0.95 dB
ISOLATION	>60 dB with broadband input filter
TEMPERATURE DRAFT	<3 kHz/K, from 0 to +70 °C
STANDARD CONNECTION	1 5/8" unflange
OPTIONAL CONNECTIONS	7/16 f/m, 7/8" flange

DIMENSIONS AND WEIGHT	
DIMENSIONS	326 x 240 x 730 mm
L x W x H	(12.8 x 9.5 x 28.7 in)
WEIGHT	50 kg (110 lb)