

Band-pass Filter

1 kW

87.5 ... 108 MHz

Band-pass filters can be used for:

- to improve the input selectivity of receivers and amplifiers,
- to increase the isolation of transmitters, whose respective antennas are mounted close together,
- to suppress noise side bands and inter-modulation products,
- as a combiner component.

Design and construction:

The band-pass filter consists of three capacitively coupled resonators.

Characteristics:

The operating frequency, the coupling between the resonators and also the input and output couplings are adjustable.

Tuning:

The band-pass filter must be tuned to the operating channel. Upon request, this tuning may be performed at our factory (in this case please state the required operating channels when ordering) or it can be undertaken on site. Clear tuning instructions and also any special tools necessary are supplied along with the band-pass filter.



716 596, shown with additional frame

Technical Data

Type No.	716 596
Frequency range	87.5 ... 108 MHz
Insertion loss	0.3 dB
VSWR	< 1.1 (at the operating frequency)
Impedance	50 Ω
Max. power	1 kW
Temperature range	- 20 ... + 50 °C
Connectors	7-16 female
Material	Outer conductor: Aluminium Inner conductor: Brass, silver-plated
Colour	Grey (RAL 7032)
Mounting	Suitable for mounting in 19" drawer
Mounting position	Vertical
Weight	35 kg
Packing size	735 mm x 1000 mm x 315 mm
Dimensions (w x h x d)	604 mm x 790 mm x 190 mm (with connectors)

