

# BPF 900/4

Band-Pass Filter for the 900 MHz Band



## DESCRIPTION:

- ★ The BPF 900/4 is a  $4-1/4 \lambda$  resonator band-pass filter with internal coupling between the resonators.
- ★ This filter can be used as a preselector to protect a receiver against interference from transmissions out of the passband, or it can be used to reduce spurious output from a transmitter with up to 50 watts output power.
- ★ The filter can be tuned within the entire 820-960 MHz band. Careful design and choice of materials ensure reliable operation over a wide temperature range.
- ★ The housing is made of extruded aluminium, the chassis of brass, and teflon insulation has been used in the coaxial cables and in the connectors.
- ★ The filter is black vinyl coated to prevent corrosion.

## SPECIFICATIONS:

ELECTRICAL	
MODEL	BPF 900/4
FILTER TYPE	Band-pass filter
TUNING RANGE	820-960 MHz
MAX. INPUT POWER	50 watts
INSERTION LOSS	$\leq 1.4$ dB (typ.)
ATTENUATION AROUND PASS-BAND	See curves
OUT OF BAND ATTENUATION	See curves
IMPEDANCE	Nom. 50 $\Omega$
SWR	$\leq 1.5$
MECHANICAL	
TEMP. RANGE	$-30^{\circ}$ C $\rightarrow$ $+60^{\circ}$ C
CONNECTORS	N-female (others on request)
DIMENSIONS (L x W x H)	152 x 115 x 33 mm
WEIGHT	Approx. 500 g



## TYPICAL RESPONSE CURVES :

