

Band-reject (notch) filter for the 450 MHz Band

DESCRIPTION

- > The BRF 70/6-150 is a 6-resonator notch-filter using full-length $\frac{1}{4} \lambda$ cavities.
- > This filter rejects a narrow band of frequencies and passes all others.
- > The filter can be applied both in connection with transmitters and receivers to attenuate interfering signals which cause cross modulation effects.
- > The filter can be employed as a single component or it can act as an integrated part of a complete multi-coupling system.
- > The BRF 70/6-150 can be tuned within the complete 380 - 470 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 applied in the coaxial cables and in the connectors.
- > The filter is coated with black vinyl to prevent corrosion.



ORDERING

Model	Product No.
BRF 70/6-150-N(f)	200001244

SPECIFICATIONS

Electrical	
Model	BRF 70/6-150
Filter Type	Band-reject (notch) filter
Frequency	380 - 470 MHz
Max. Input Power	50 W @ IL < 1.0 dB 150 W @ IL < 0.5 dB
Pass Band Insertion Loss	< 0.5 dB
Impedance	50 Ω
Reject Attenuation	> 25 dB @ 5 MHz BW (See curve)
VSWR	20 - 380 MHz: < 1.5 :1 420 - 530 MHz: < 2.0:1
Mechanical	
Connection(s)	N-female (other on request)
Dimensions	260 x 250 x +50 mm / 10.24 x 9.84 x 1.97 in.
Weight	Approx. 2.5 kg / 5.51 lb
Environmental	
Operating Temperature Range	-30°C to +60°C

