

Band-Reject Filters for the 80 MHz

DESCRIPTION

- High power base station band-reject filters for the 66 – 88 MHz range.
- The use of large ø125 mm cavities means a high Q, resulting in a very narrow notch bandwidth.
- The large dimensions also mean a high power rating.
- Unloaded Q of a single cavity is approx. 4500.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



ORDERING

Model	Product No.
BRF 4/1-125	200001918
BRF 4/2-125	200001919
BRF 4/3-125	200001211

SPECIFICATIONS

Electrical			
Model	BRF 4/1-125	BRF 4/2-125	BRF 4/3-125
Frequency	66 - 88 MHz		
Max. Input Power	300 W @ 0.5 dB IL 175 W @ 1.0 dB IL	300 W @ 1.0 dB IL 175 W @ 2.0 dB IL	300 W @ 1.5 dB IL 175 W @ 3.0 dB IL
1 dB Notch Bandwidth	1 % of fc		
Impedance	50 Ω		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	ø125 x 1200 mm / ø4.92 x 47.24 in.	L:125 x W:250 x H:1200 mm / L:4.92 x W:9.84 x H:47.24 in.	L:125 x W:375 x H:1200 mm / L:4.92 x W:14.76 x H:47.24 in.
Weight	Approx. 4.3 kg / 9.46 lb.	Approx. 8.9 kg / 19.58 lb.	Approx. 13.5 kg / 29.7 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		