

Band-Reject Filters for the 80 MHz Band

DESCRIPTION

- High power base station band-reject filters for the 66 – 88 MHz range.
- The use of large $\varnothing 200$ 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. 7000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



ORDERING

Model	Product No.
BRF 4/1-200	200001920
BRF 4/2-200	200001921
BRF 4/3-200	200001922

SPECIFICATIONS

Electrical			
Model	BRF 4/1-200	BRF 4/2-200	BRF 4/3-200
Frequency	66 - 88 MHz		
Max. Input Power	350 W @ 0.5 dB IL 200 W @ 1.0 dB IL	350 W @ 1.0 dB IL 200 W @ 2.0 dB IL	350 W @ 1.5 dB IL 200 W @ 3.0 dB IL
1 dB Notch Bandwidth	1 % of f_c		
Impedance	50 Ω		
VSWR	$\leq 1.5:1$		
Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 200$ x 1200 mm / $\varnothing 7.87$ x 47.24 in.	L:200 x W:400 x H:1200 mm / L:7.87 x W:15.74 x H:47.74 in.	L:200 x W:600 x H:1200 mm / L:7.87 x W:23.62 x H:47.74 in.
Weight	Approx. 6.7 kg / 14.77 lb.	Approx. 13.7 kg / 30.20 lb.	Approx. 20.9 kg / 46.08 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		