

Band-Reject Filters for the 150 MHz Band

DESCRIPTION

- High power base station band-reject filters for the 140 - 175 MHz range.
- The use of large $\varnothing 200$ mm cavities means a high Q, resulting in a very narrow passband.
- 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.



SPECIFICATIONS

Electrical			
Model	BRF 2/1-200	BRF 2/2-200	BRF 2/3-200
Frequency	140 - 175 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
Insertion Loss	Adjustable 0.4 - 2.0 dB	Adjustable 0.8 - 4.0 dB	Adjustable 1.2 - 6.0 dB
Impedance	50 Ω		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 200$ x 600 mm / $\varnothing 7.87$ x 23.62 in.	L:200 x W:400 x H:600 mm / L:7.87 x W:15.74 x H:23.32 in.	L:200 x W:600 x H:600 mm / L:7.87 x W:23.32 x H:23.32 in.
Weight	Approx. 3.8 kg / 8.38 lb.	Approx. 8.5 kg / 18.74 lb.	Approx. 12.6 kg / 27.78 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ORDERING

Model	Product No.
BRF 2/1-200	200001578
BRF 2/2-200	200001580
BRF 2/3-200	200001938