

Band-Reject Filters for the 450 MHz Band

DESCRIPTION

- High power base station band-reject filters for the 380 – 470 MHz range.
- The use of large ø200 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 70/1-200	200001943
BRF 70/2-200	200001239
BRF 70/3-200	200001944

SPECIFICATIONS

Electrical			
Model	BRF 70/1-200	BRF 70/2-200	BRF 70/3-200
Frequency	380 - 470 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 fc		
Impedance	50 Ω		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	ø200 x 303 mm / ø7.87 x 11.93 in.	L:200 x W:400 x H:303 mm / L:7.87 x W:15.75 x H:11.93 in.	L:200 x W:600 x H:303 mm / L:7.87 x W:23.62 x H:11.93 in.
Weight	Approx. 2.3 kg / 5.07 lb.	Approx. 4.9 kg / 10.80 lb.	Approx. 7.5 kg / 16.53 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

