

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 ø250 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. 8000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.

ORDERING

Model	Product No.
BRF 70/1-250	200001235
BRF 70/2-250	200001600
BRF 70/3-250	200001668

SPECIFICATIONS

Electrical			
Model	BRF 70/1-250	BRF 70/2-250	BRF 70/3-250
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		
Attenuation	See diagram		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	ø250 x 400 mm / ø9.84 x 15.75 in.	L:250 x W:500 x H:400 mm / L:9.84 x W:19.68 x H:15.75 in.	L:250 x W:750 x H:400 mm / L:9.84 x W:29.52 x H:15.75 in.
Weight	Approx. 2.8 kg / 6.17 lb.	Approx. 5.2 kg / 11.46 lb.	Approx. 9.6 kg / 21.16 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		



ADDITIONAL DATA

TYPICAL RESPONSE CURVES

Figure 1

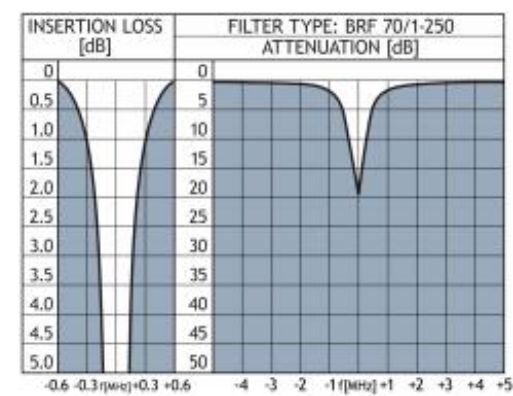


Figure 2

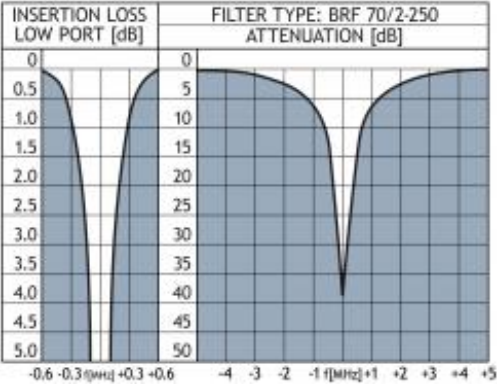


Figure 3

