

Band-Pass/Band-Reject Filters for the 900 MHz Band

DESCRIPTION

- High power base station band-reject filters for the 890 – 960 MHz range.
- The use of large $\varnothing 125$ 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.



SPECIFICATIONS

Electrical			
Model	BRF 900/1-125	BRF 900/2-125	BRF 900/3-125
Frequency	890 - 630 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	$\varnothing 125$ x 200 mm / $\varnothing 4.92$ x 7.87 in.	L:125 x W:250 x H:200 mm / L:4.92 x W:9.84 x H:7.87 in.	L:125 x W:375 x H:200 mm / L:4.92 x W:14.76 x H:7.87 in.
Weight	Approx. 0.7 kg / 1.54 lb.	Approx. 1.5 kg / 3.31 lb.	Approx. 2.5 kg / 5.51 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ORDERING

Model	Product No.
BRF 900/1-125	200001601
BRF 900/2-125	200001946
BRF 900/3-125	200001947

