

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

### DESCRIPTION

- High power base station band-pass/band-reject filters for the 890 – 960 MHz range.
- The use of large  $\varnothing 200$  mm cavities means a high Q, resulting in a very narrow pass/reject spacing.
- 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.



BPBR 900/1-200

BPBR 900/2-200

BPBR 900/3-200

### ORDERING

Model	Product No.
BPBR 900/1-200	200001915
BPBR 900/2-200	200001916
BPBR 900/3-200	200001917

### SPECIFICATIONS

Electrical			
Model	BPBR 900/1-200	BPBR 900/2-200	BPBR 900/3-200
Frequency	890 - 960 MHz		
Max. Input Power	300 W @ 0.5 dB IL 125 W @ 2.0 dB IL	300 W @ 1.0 dB IL 125 W @ 4.0 dB IL	300 W @ 1.5 dB IL 125 W @ 6.0 dB IL
Insertion Loss	Adjustable 0.3 - 2.0 dB	Adjustable 0.6 - 4.0 dB	Adjustable 0.9 - 6.0 dB
Impedance	50 $\Omega$		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 125$ x 200 mm	L:200 x W:400 x H:200 mm	L:200 x W:600 x H:200 mm
Weight	0.9 kg / 1.98 lb	2.2 kg / 4.85 lb	3.3 kg / 7.28 lb
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

