

Band-Pass/Band-Reject Filters for the 130 MHz Band

DESCRIPTION

- High power base station band-pass/band-reject filters for the 116 – 146 MHz range.
- The use of large ø250 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. 8000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option..



ORDERING

Type	Product No.
BPBR 3/1-250	200001088
BPBR 3/2-250	200001086
BPBR 3/3-250	200000864

SPECIFICATIONS

Electrical			
Model	BPBR 3/1-250	BPBR 3/2-250	BPBR 3/3-250
Frequency	116 - 146 MHz		
Insertion Loss	Adjustable 0.3 - 2.0 dB	Adjustable 0.6 - 4.0 dB	Adjustable 0.9 - 6.0 dB
Impedance	50 Ω		
VSWR	< 1.5:1		
Maximum 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
Frequency Stability	1.5 ppm/° C (approx.)		
Mechanical			
Connection(s)	N(f)		
Dimensions	ø250 x 765 mm	L:250 x W:500 x H:765 mm	L:250 x W:750 x H:765 mm
Weight	6 kg / 13.23 lb	12.3 kg / 27.12 lb	18.6 kg / 41.01 lb
Environmental			
Operating Temperature Range			30 to 60 °C

