

Band-Pass/Band-Reject Filters for the 150 MHz Band

DESCRIPTION

- High power base station band-pass/band-reject filters for the 140 – 175 MHz range.
- The use of large ø200 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.



ORDERING

Type	Product No.
BPBR 2/1-200	200001084
BPBR 2/2-200	200001082
BPBR 2/3-200	200001755
BRBP 2/1-200	200001435
BRBP 2/2-200	200001441
BRBP 2/3-200	200001756

SPECIFICATIONS

Electrical				
Model	BPBR 2/1-200		BPBR 2/2-200	BPBR 2/3-200
Frequency	140 - 175 MHz			
Insertion Loss	Adjustable 0.3 - 2.0 dB		Adjustable 0.6 - 4.0 dB	Adjustable 0.9 - 6.0 dB
Impedance	50 Ω			
Attenuation	See diagram			
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	ø200 x 600 mm	L:200 x W:400 x H:600 mm	L:200 x W:600 x H:600 mm	
Weight	3.8 kg / 8.38 lb	8 kg / 17.64 lb	12.4 kg / 27.34 lb	
Environmental				
Operating Temperature Range			30 to 60 °C	

ADDITIONAL DATA

TYPICAL RESPONSE CURVES

Figure 1

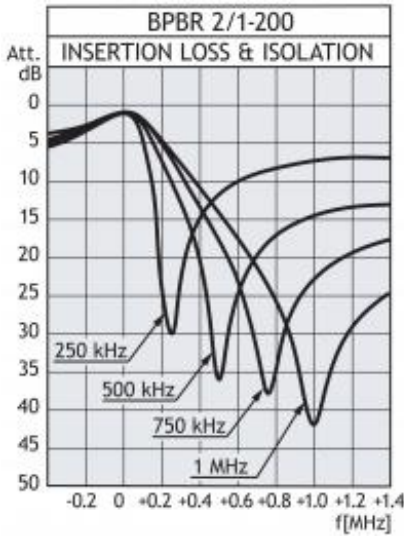


Figure 2

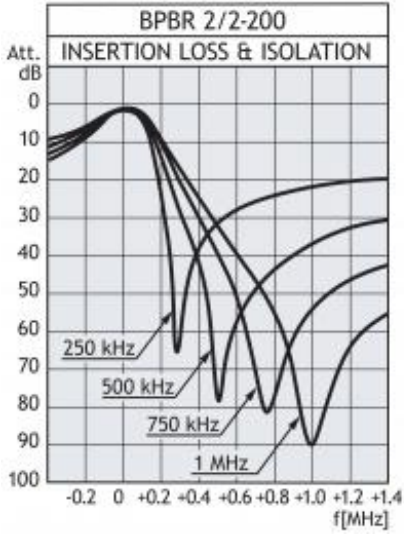


Figure 3

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