

Band-Pass/Band-Reject Filters for the 80 MHz Band

DESCRIPTION

- High power base station band-pass/band-reject filters for the 66 – 88 MHz range.
- The use of large $\varnothing 125$ 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. 4500.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



SPECIFICATIONS

Electrical			
Model	BPBR 4/1-125	BPBR 4/2-125	BPBR 4/3-125
Frequency	66 - 88 MHz		
Max. Input Power	250 W		
Insertion Loss	Approx. 0.7 dB	Approx. 1.4 dB	Approx. 2.1 dB
Impedance	50 Ω		
VSWR	$\leq 1.5:1$		
Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 125$ x 1200 mm / $\varnothing 4.92$ x 47.24 in.	L:125 x W:250 x H:1200 mm / L:4.92 x W:9.84 x H:47.24 in.	L:125 x W:375 x H:1200 mm / L:4.92 x W:14.76 x H:47.74 in.
Weight	Approx. 4.3 kg / 9.48 lb.	Approx. 8.9 kg / 19.62 lb.	Approx. 13.5 kg / 29.76 lb.
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ORDERING

Model	Product No.
BPBR 4/1-125	200001085
BPBR 4/2-125	200001893
BPBR 4/3-125	200001894

