

Band-Pass/Band-Reject Filters for the 450 MHz Band

DESCRIPTION

- High power base station band-pass/band-reject filters for the 380 – 470 MHz range.
- The use of large $\varnothing 250$ 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

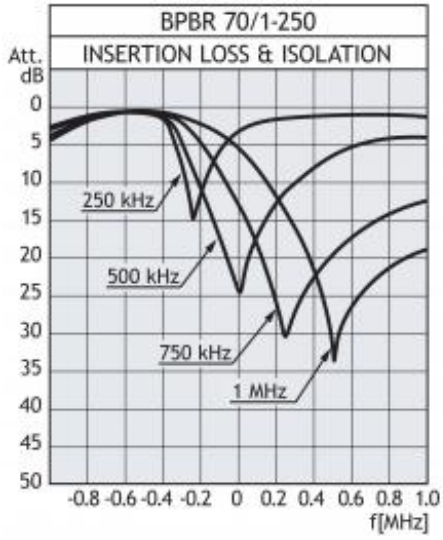
Model	Product No.
BPBR 70/1-250	200001400
BPBR 70/2-250	200001398
BPBR 70/3-250	200001408

SPECIFICATIONS

Electrical			
Model	BPBR 70/1-250	BPBR 70/2-250	BPBR 70/3-250
Frequency	380 - 512 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 Ω		
Attenuation	See diagram		
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f)		
Dimensions	$\varnothing 250$ x 400 mm	L:250 x W:500 x H:400 mm	L:250 x W:750 x H:400 mm
Weight	2.8 kg / 6.17 lb	5.2 kg / 11.46 lb	9.6 kg / 21.16 lb
Environmental			
Operating Temperature Range	30 to 60 °C		
Frequency Stability	1.5 ppm/° C (approx.)		

ADDITIONAL DATA

TYPICAL RESPONSE CURVES



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