

CAVITIES

BPBR 4/...-200

*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 $\varnothing 200$ 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 (see sec. 9 – Accessories).

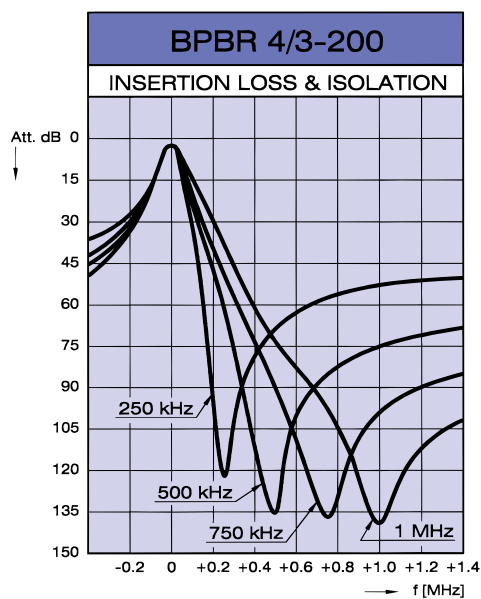
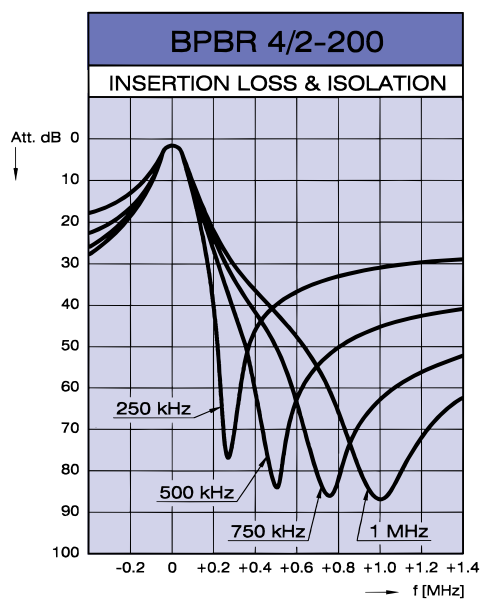
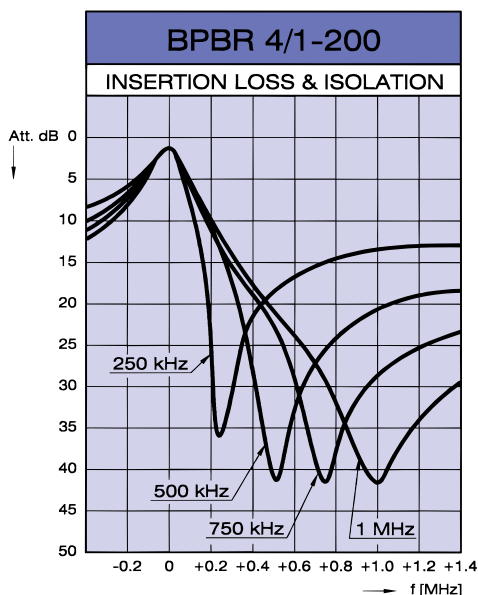


BPBR 4/1-200

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for the 80 MHz Band



SPECIFICATIONS:

ELECTRICAL			
	BPBR 4/1-200	BPBR 4/2-200	BPBR 4/3-200
FREQUENCY RANGE	66-88 MHz	66-88 MHz	66-88 MHz
MAX. INPUT POWER	250 W	250 W	250 W
INSERTION LOSS	0.7 dB	1.4 dB	2.1 dB
ATTENUATION	See figure 1	See figure 2	See figure 3
IMPEDANCE	Nom. 50 Ω	Nom. 50 Ω	Nom. 50 Ω
SWR (at resonance)	≤ 1.5	≤ 1.5	≤ 1.5
MECHANICAL			
TEMP. RANGE	-30° C → +60° C RH 0-90% non-condensing	-30° C → +60° C RH 0-90% non-condensing	-30° C → +60° C RH 0-90% non-condensing
FREQ. STABILITY	Approx. 1.5 ppm/° C	Approx. 1.5 ppm/° C	Approx. 1.5 ppm/° C
CONNECTORS	N-female	N-female	N-female
DIMENSIONS	ø200 x 1200 mm	L: 200 x W: 400 x H: 1200 mm	L: 200 x W: 600 x H: 1200 mm
WEIGHT	Approx. 6.7 kg	Approx. 13.7 kg	Approx. 20.9 kg