

CAVITIES

BPBR 4/...-250

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



DESCRIPTION:

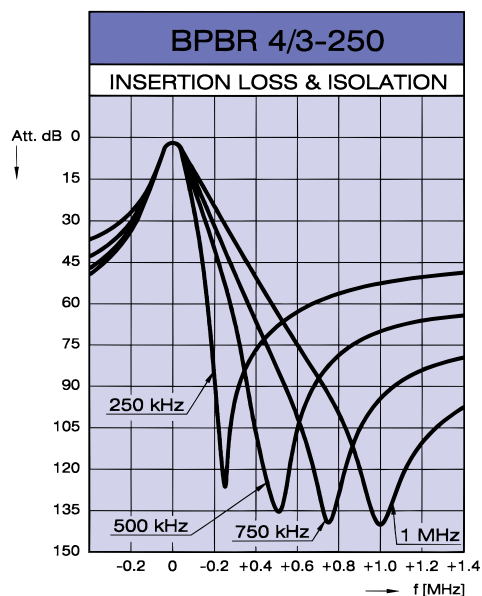
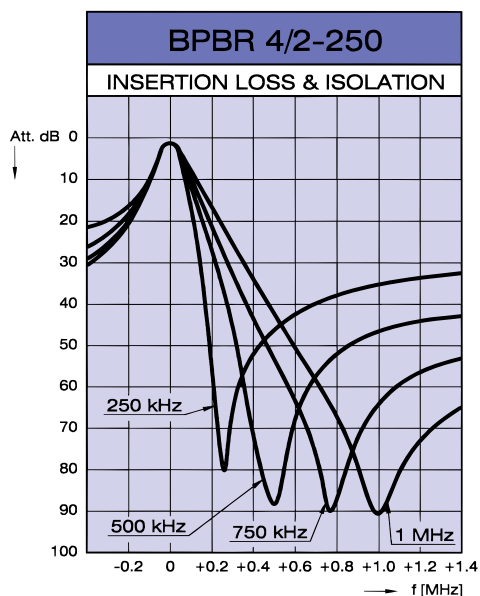
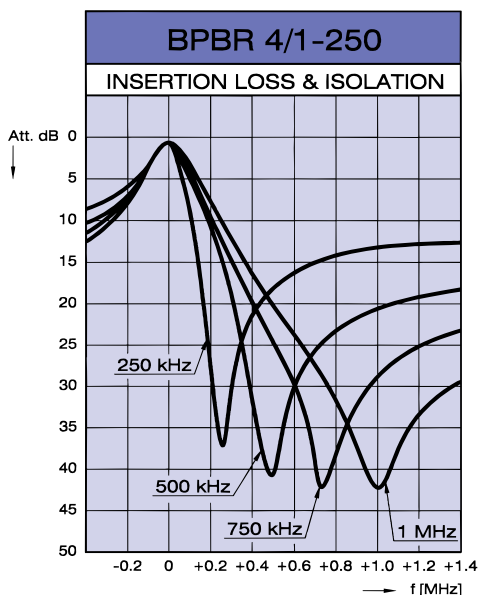
- ★ High power base station band-pass/band-reject filters for the 66–88 MHz range.
- ★ The use of large $\varnothing 250$ mm cavities means a high Q, resulting in a very narrow pass/reject spacing.
- ★ The large dimensions also mean a high power rating.
- ★ Unloaded Q of a single cavity is approx. 8000.
- ★ High frequency stability on temperature and power.
- ★ 19" mounting brackets are available as an option (see sec. 9 – Accessories).



BPBR 4/1-250

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SPECIFICATIONS:

ELECTRICAL			
	BPBR 4/1-250	BPBR 4/2-250	BPBR 4/3-250
FREQUENCY RANGE	66-88 MHz	66-88 MHz	66-88 MHz
MAX. INPUT POWER	350 W @ 0.5 dB IL 150 W @ 2.0 dB IL	350 W @ 1.0 dB IL 150 W @ 4.0 dB IL	350 W @ 1.5 dB IL 150 W @ 6.0 dB IL
INSERTION LOSS	Adjustable 0.3-2.0 dB	Adjustable 0.6-4.0 dB	Adjustable 0.3-6.0 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	ø250 x 1200 mm	L: 250 x W: 500 x H: 1200 mm	L: 250 x W: 750 x H: 1200 mm
WEIGHT	Approx. 8.6 kg	Approx. 17.5 kg	Approx. 26.6 kg