

# CAVITIES

## BPBR 2/...-250 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  $\varnothing 250$  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 2/1-250



BPBR 2/2-250



BPBR 2/3-250

### SPECIFICATIONS:

ELECTRICAL			
	BPBR 2/1-250	BPBR 2/2-250	BPBR 2/3-250
FREQUENCY RANGE	140–175 MHz	140–175 MHz	140–175 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
ATTENUATION	See figure 1	See figure 2	See figure 3
IMPEDANCE	Nom. 50 $\Omega$	Nom. 50 $\Omega$	Nom. 50 $\Omega$
SWR (at resonance)	< 1.5	< 1.5	< 1.5
MECHANICAL			
TEMP. RANGE	-30° C i +60° C RH 0-90% non-condensing	-30° C i +60° C RH 0-90% non-condensing	-30° C i +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	$\varnothing 250$ x 600 mm	L: 250 x W: 500 x H: 600 mm	L: 250 x W: 750 x H: 600 mm
WEIGHT	Approx. 4.3 kg	Approx. 8.9 kg	Approx. 14 kg

PROCOM A/S reserve the right to amend specifications without prior notice.