

CAVITIES

BRF 2/...-200

Band-Reject Filters for the 150 MHz Band



DESCRIPTION:

- ★ High power base station band-reject filters for the 140–175 MHz range.
- ★ The use of large $\varnothing 200$ mm cavities means a high Q, resulting in a very narrow notch bandwidth.
- ★ 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).



BRF 2/1-200



BRF 2/2-200



BRF 2/3-200

SPECIFICATIONS:

ELECTRICAL			
	BRF 2/1-200	BRF 2/2-200	BRF 2/3-200
FREQUENCY RANGE	140–175 MHz	140–175 MHz	140–175 MHz
MAX. INPUT POWER	350 W @ 0.5 dB IL 200 W @ 1.0 dB IL	350 W @ 1.0 dB IL 200 W @ 2.0 dB IL	350 W @ 1.5 dB IL 200 W @ 3.0 dB IL
ATTENUATION	See figure 1	See figure 2	See figure 3
1 dB NOTCH BANDWIDTH	1‰ of f_c	1‰ of f_c	1‰ of f_c
IMPEDANCE	Nom. 50 Ω	Nom. 50 Ω	Nom. 50 Ω
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	$\varnothing 200 \times 600$ mm	L: 200 x W: 400 x H: 600 mm	L: 200 x W: 600 x H: 600 mm
WEIGHT	Approx. 3.8 kg	Approx. 8.5 kg	Approx. 12.6 kg

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