

# CAVITIES

## BPF 900/...-200 Band-Pass Filters for the 900 MHz Band



### DESCRIPTION:

- ★ High power base station band-pass filters for the 890–960 MHz range.
- ★ The use of large  $\varnothing 200$  mm cavities means a high Q, resulting in a very narrow passband.
- ★ 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).



BPF 900/1-200



BPF 900/2-200



BPF 900/3-200

### SPECIFICATIONS:

ELECTRICAL			
	BPF 900/1-200	BPF 900/2-200	BPF 900/3-200
FREQUENCY RANGE	890–960 MHz	890–960 MHz	890–960 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 0.4–2.0 dB	Adjustable 0.8–4.0 dB	Adjustable 1.2–6.0 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	$\varnothing 200 \times 200$ mm	L: 200 x W: 400 x H: 200 mm	L: 200 x W: 600 x H: 200 mm
WEIGHT	Approx. 0.9 kg	Approx. 2 kg	Approx. 3.3 kg

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