

BPF 3/...-200-SHT

Band-Pass Filter for the 150 MHz Band

DESCRIPTION

- High power base station shortened band-pass filter for the 116 - 146 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.
- The SHT-version has only 600 mm cavity length.
- Unloaded Q of a single cavity is approx. 3000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.



BPF 3/1-200-SHT

BPF 3/2-200-SHT

BPF 3/3-200-SHT

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
BPF 3/1-200-SHT	200000983
BPF 3/2-200-SHT	200001163
BPF 3/3-200-SHT	200001890

SPECIFICATIONS

ELECTRICAL			
MODEL	BPF 3/1-200-SHT	BPF 3/2-200-SHT	BPF 3/3-200-SHT
FREQ. RANGE	116 - 146 MHz	116 - 146 MHz	116 - 146 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 0.5-2.0 dB	Adjustable 1.0- 4.0 dB	Adjustable 1.5- 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 RH 0-90% non- condensing	-30° C \rightarrow +60° C	-30° C \rightarrow +60° C	-30° C \rightarrow +60° C
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	$\varnothing 200$ x 600 mm	L:200 x W:400 x H:600 mm	L:200 x W:600 x H:600 mm
WEIGHT	Approx. 4.6 kg	Approx. 10 kg	Approx. 14.5 kg

TYPICAL RESPONSE CURVES

Figure 1

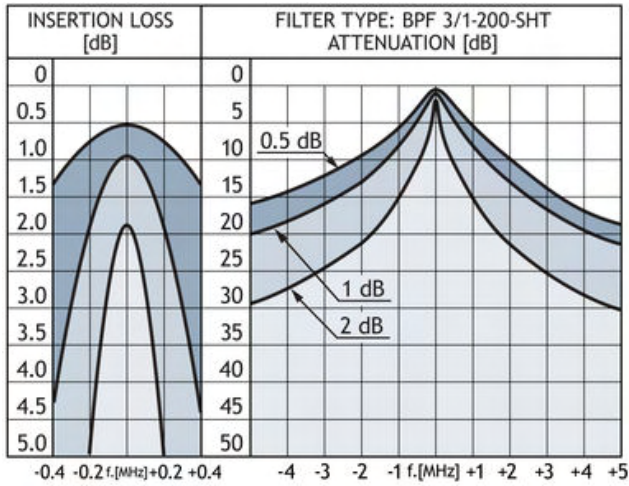


Figure 2

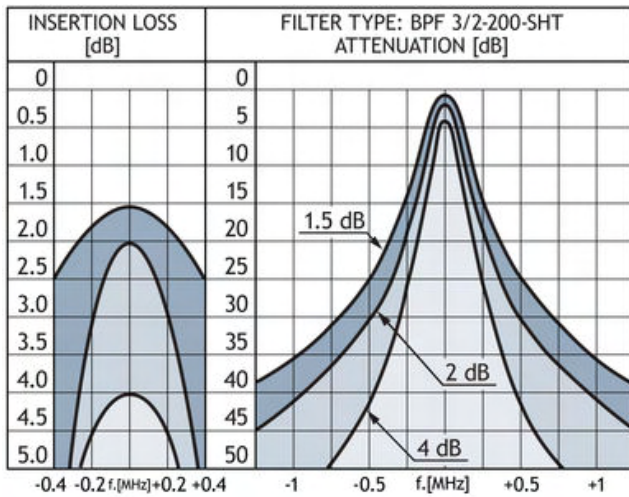
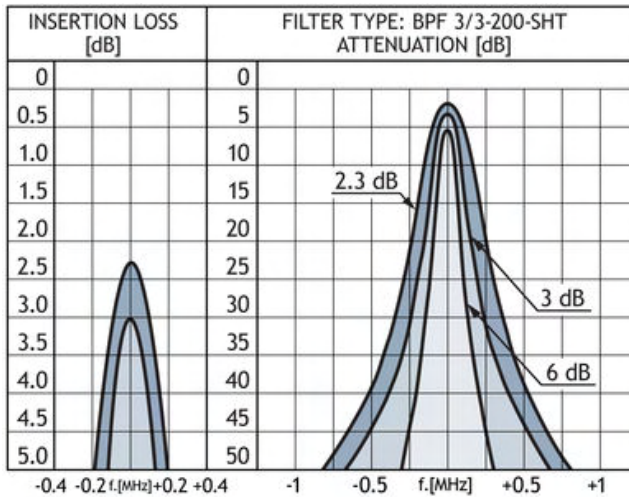


Figure 3



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

14/07/2010