

BPF 3/...-125

Band-Pass Filters for the 130 MHz Band

DESCRIPTION

- High-power base station band-pass filters for the 116 - 146 MHz range.
- The use of large $\varnothing 125$ mm cavities gives a high Q, resulting in a very narrow passband.
- The large dimensions also give a high power rating.
- Unloaded Q of a single cavity is approx. 4500.
- High frequency stability on temperature and power.
- Mounted on 19" brackets.**



SPECIFICATIONS

ELECTRICAL			
MODEL	BPF 3/1-125	BPF 3/2-125	BPF 3/3-125
FREQ. RANGE	116-146 MHz	116-146 MHz	116-146 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 0.4 - 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 Ω	Nom. 50 Ω	Nom. 50 Ω
SWR	< 1.5	< 1.5	< 1.5
MECHANICAL			
TEMP. RANGE	-30° C \rightarrow +60° C	-30° C \rightarrow +60° C	-30° C \rightarrow +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	$\varnothing 125$ x 920 mm	L:125 x W:285 x H:920 mm	L:125 x W:425 x H:920 mm
WEIGHT	Approx. 3.4 kg	Approx. 7 kg	Approx. 10.5 kg

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
BPF 3/1-125	200 000 974
BPF 3/2-125	200 000 968
BPF 3/3-125	200 000 596

TYPICAL RESPONSE CURVES

Figure 1

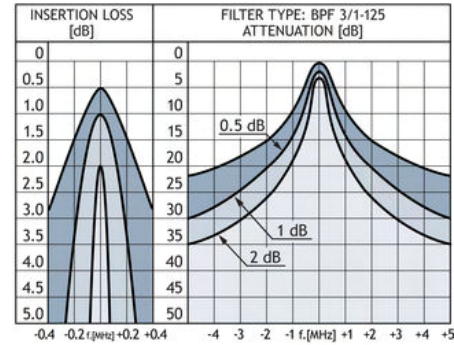


Figure 2

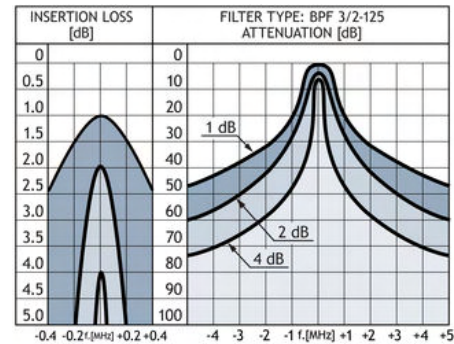
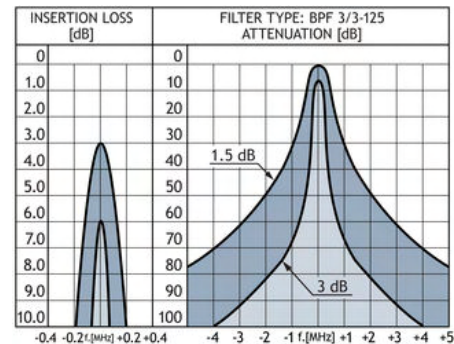


Figure 3



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

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