

# DUPLEXERS, DIPLEXERS AND POWER SPLITTERS

## DPF 4/...-125

*Duplex Filters for the 85 MHz Band*



### DESCRIPTION:

- ★ High power base station duplex filters for the 66–88 MHz range.
- ★ The use of large  $\varnothing 125$  mm cavities means a high Q, resulting in a very small duplex spacing.
- ★ The large dimensions also mean a high power rating.
- ★ High frequency stability on temperature and power.
- ★ Mounting brackets for 19" mounting incl.
- ★ Please specify the frequencies for TX and RX when ordering.



DPF 4/33-125

### SPECIFICATIONS:

ELECTRICAL		
	DPF 4/22-125	DPF 4/33-125
FREQUENCY RANGE	66–88 MHz	66–88 MHz
MAX. INPUT POWER	250 W @ 1 dB IL	250 W @ 1.5 dB IL
MIN. DUPLEX SPACING	250 kHz	250 kHz
TYP. INSERTION LOSS	< 1.0 dB	< 1.5 dB
ATTENUATION	> 40 dB	> 60 dB
IMPEDANCE	Nom. 50 $\Omega$	Nom. 50 $\Omega$
SWR	$\leq 1.5$	$\leq 1.5$
MECHANICAL		
TEMP. RANGE	-30° C $\rightarrow$ +60° C	-30° C $\rightarrow$ +60° C
FREQ. STABILITY	Approx. 0.8 ppm/° C	Approx. 0.8 ppm/° C
CONNECTORS	N-female	N-female
DIMENSIONS (D x W x H)	260 x 483 x 1400 (1500) mm	260 x 483 x 1400 (1500) mm
WEIGHT	Approx. 19 kg	Approx. 28.4 kg

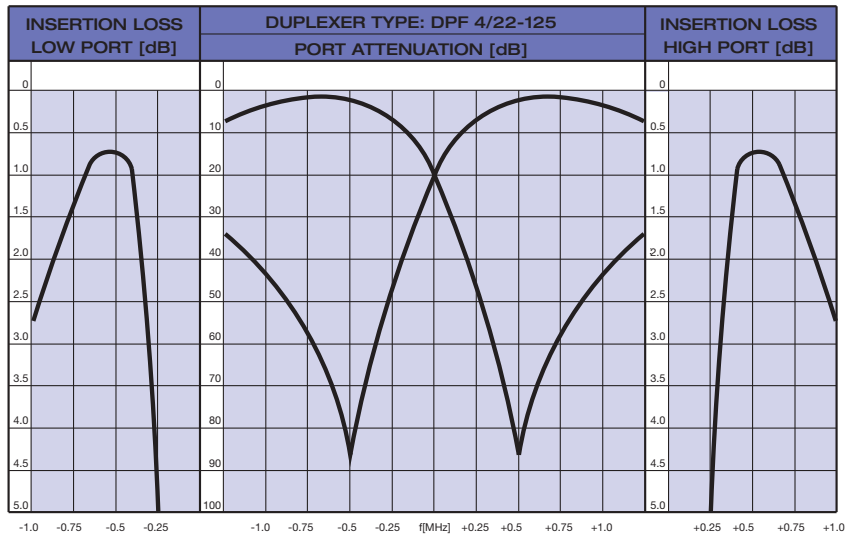
PROCOM A/S reserve the right to amend specifications without prior notice.

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TYPICAL RESPONSE CURVES @ 1 MHz DUPLEX SPACING:



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