

# DUPLEXERS, DIPLEXERS AND POWER SPLITTERS

## DPF 70/...-125

*Duplex Filters for the 450 MHz Band*



### DESCRIPTION:

- ★ High power base station duplex filters for the 400–475 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 70/33-125

### SPECIFICATIONS:

	ELECTRICAL	
	DPF 70/22-125	DPF 70/33-125
FREQUENCY RANGE	400–470 MHz	400–470 MHz
MAX. INPUT POWER	250 W @ 1 dB IL	250 W @ 1.5 dB IL
MIN. DUPLEX SPACING	0.5 MHz	0.5 MHz
TYP. INSERTION LOSS	0.5 MHz: 1 dB 1 MHz: 0.8 dB	0.5 MHz: 1.2 dB 1 MHz: 1.0 dB
ATTENUATION	0.5 MHz: 58 dB 1 MHz: 63 dB	0.5 MHz: 85 dB 1 MHz: 90 dB
IMPEDANCE	Nom. 50 $\Omega$	Nom. 50 $\Omega$
SWR	$\leq 1.5$	$\leq 1.5$
MECHANICAL		
TEMP. RANGE	-30° C i +60° C	-30° C i +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 300 (400) mm	260 x 483 x 300 (400) mm
WEIGHT	Approx. 7 kg	Approx. 8.6 kg

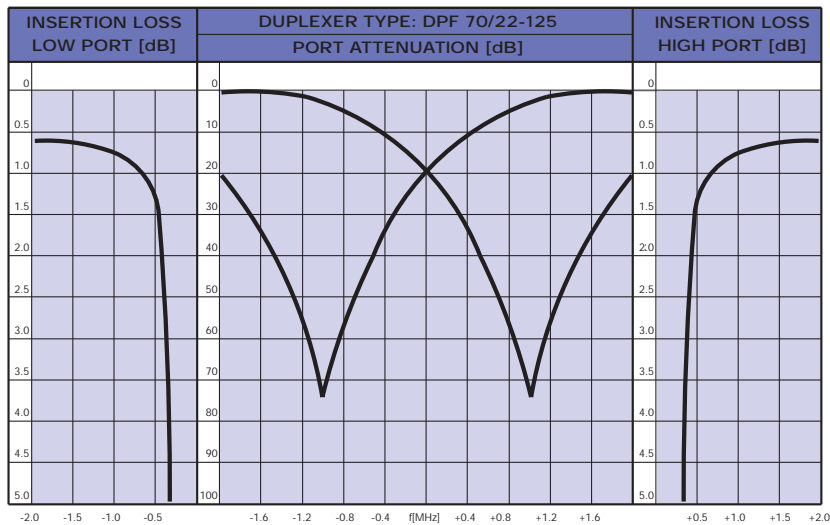
PROCOM A/S reserve the right to amend specifications without prior notice.

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TYPICAL RESPONSE CURVES @ 2 MHz DUPLEX SPACING:



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