

# DUPLEXERS, DIPLEXERS AND POWER SPLITTERS

## DPF 2/...-125

*Duplex Filter for the 160 MHz Band*



### DESCRIPTION:

- ★ High power base station duplex filter for the 140–175 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 2/33-125

### SPECIFICATIONS:

	ELECTRICAL	
	DPF 2/22-125	DPF 2/33-125
FREQUENCY RANGE	140–175 MHz	140–175 MHz
MAX. INPUT POWER	300 W @ 1 dB IL	300 W @ 1.5 dB IL
MIN. DUPLEX SPACING	600 kHz	600 kHz
TYP. INSERTION LOSS	0.6 MHz: < 1.0 dB	< 1.5 dB
ATTENUATION	> 70 dB	> 90 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. 1.5 ppm/° C	Approx. 1.5 ppm/° C
CONNECTORS	N-female	N-female
DIMENSIONS (D x W x H)	260 x 483 x 600 (700) mm (incl. adjustment bolts)	260 x 483 x 600 (700) mm (incl. adjustment bolts)
WEIGHT	Approx. 8 kg	Approx. 14 kg

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

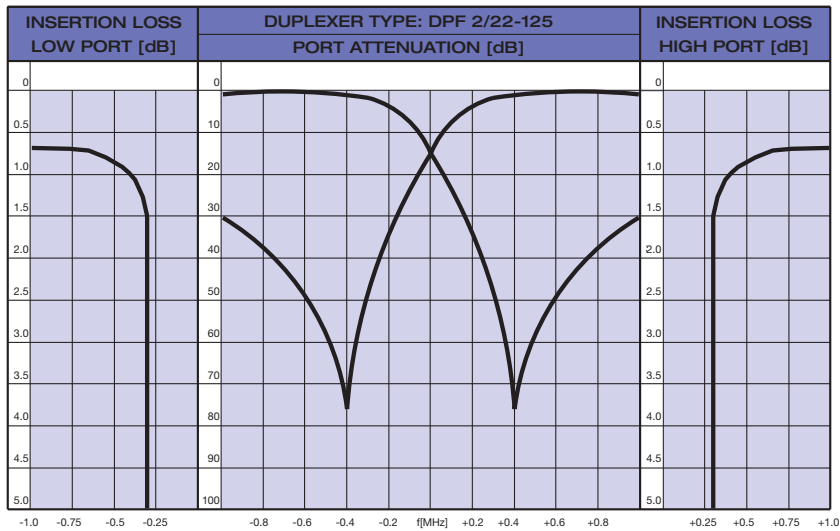
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TYPICAL RESPONSE CURVES @ 0.8 MHz DUPLEX SPACING:



TYPICAL RESPONSE CURVES @ 0.6 MHz DUPLEX SPACING:

