

## 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 included.
- Please specify the frequencies for TX and RX when ordering.

### SPECIFICATIONS

Electrical		
Model	DPF 4/22-125	DPF 4/33-125
Frequency	66 - 88 MHz	
Max. Input Power	250 W	
Min. Duplex Spacing	0.25 MHz	
Insertion Loss	< 1.0 dB	< 1.5 dB
Impedance	50 $\Omega$	
Attenuation	> 40 dB	> 60 dB
VSWR	$\leq 1.5:1$	

Mechanical		
Connection(s)	N(f)	
Dimensions	260 x 483 x 1400 (1500) mm / 10.24 x 19.02 x 55.11 (59.05) in.	260 x 483 x 1400 (1500) mm / 10.24 x 19.02 x 55.11 (59.05) in.
Weight	Approx. 19 kg / 41.89 lb.	Approx. 28.4 kg / 62.61 lb.

Environmental	
Operating Temperature Range	-30 to 60 °C
Frequency Stability	0.8 ppm/° C (approx.)

### ORDERING

Model	Product No.
DPF 4/22-125	200001581
DPF 4/33-125	200001582



### DIAGRAM

TYPICAL RESPONSE CURVES @ 1 MHz  
DUPLER SPACING

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