

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

### SPECIFICATIONS

Electrical			
Model	DPF 2/22-125	DPF 2/33-125	DPF 2/33-125
Frequency	140 - 175 MHz		
Max. Input Power	300 W		
Min. Duplex Spacing	800 kHz	600 kHz	500 kHz
Insertion Loss	< 1.0 dB	< 1.5 dB	< 2.0 dB
Impedance	50 $\Omega$		
Attenuation	70 dB	90 dB	90 dB
VSWR	< 1.5:1		
Cavities	4	6	6

  

Mechanical			
Connection(s)	N(f)		
Dimensions	260 x 483 x 600 (700) mm (incl. adjustment bolts) / 10.24 x 19.02 x 23.62 (27.56) in.		
Weight	Approx. 8 kg / 17.64 lb.	Approx. 14 kg / 30.86 lb.	Approx. 14 kg / 30.86 lb.

  

Environmental	
Operating Temperature Range	-30°C to +60°C
Frequency Stability	1.5 ppm/° C (approx.)

### ORDERING

Model	Product No.
DPF 2/22-125	200000273
DPF 2/33-125	200000270



### DIAGRAM

TYPICAL RESPONSE CURVES @ 0.8 MHz DUPLEX SPACING

TYPICAL RESPONSE CURVES @ 0.6 MHz DUPLEX SPACING

