

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 included.
- Please specify the frequencies for Tx and Rx when ordering.

SPECIFICATIONS

Electrical		
Model	DPF 70/22-125	DPF 70/33-125
Frequency	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
Insertion Loss	0.5 MHz < 2.5 dB 2 MHz < 2.0 dB	0.5 MHz < 2.5 dB 2 MHz < 2.0 dB
Impedance	50 Ω	50 Ω
Attenuation	0.5 MHz > 45 dB 2 MHz > 60 dB	0.5 MHz > 50 dB 2 MHz > 75 dB
VSWR	< 1.5:1	< 1.5:1

Mechanical		
Connection(s)	N(f)	N(f)
Dimensions	260 x 483 x 300(400) mm / 10.24 x 19.01 x 11.81 (15.75) in.	260 x 483 x 300(400) mm / 10.24 x 19.01 x 11.81 (15.75) in.
Weight	Approx. 7 kg / 15.43 lb.	Approx. 8.6 kg / 18.96 lb.

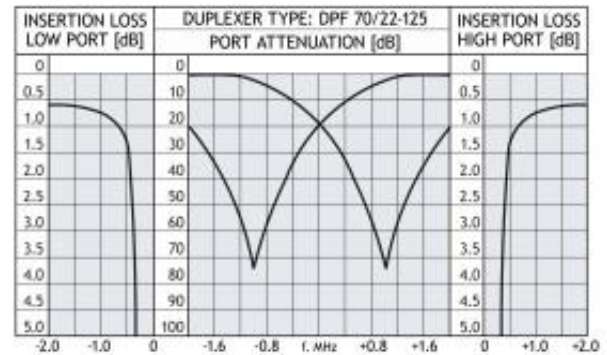
Environmental		
Operating Temperature Range	-30°C to +60°C	-30°C to +60°C
Frequency Stability	0.8 ppm/° C (approx.)	0.8 ppm/° C (approx.)

ORDERING

Model	Product No.
DPF 70/22-125	200000271
DPF 70/33-125	200000287
DPF 70/44-125	200000435



Typical response curves @ 2 MHz Duplex Spacing



Typical response curves @ 2 MHz Duplex Spacing

