

Duplex Filter for the 450 MHz Band

DESCRIPTION

- > High power base station duplex filter for the 400 – 470 MHz range.
- > The use of large ø250 mm cavities means a high Q, resulting in a small duplex spacing.
- > The large dimensions also mean a high power rating.
- > Unloaded Q of a single cavity is approx. 8000.
- > High frequency stability on temperature and power.
- > Mounted on 19" brackets.

SPECIFICATIONS

Electrical	
Model	DPF 70/22-250
Frequency	406 - 470 MHz
Max. Input Power	300 W @ 1.5 dB
Insertion Loss	250 kHz @ 1.5 dB 500 kHz @ 1.2 dB 1.0 MHz @ 1.0 dB
Tx Noise Suppression on Rx-Freq. / Rx Isolation on Tx-Freq.	250 kHz @ 50 dB 500 kHz @ 60 dB 1.0 MHz @ 70 dB

Mechanical	
Connection(s)	N(f)
Dimensions	510 x 515 x 300 mm / 20.07 x 20.27 x 11.81 mm
Weight	Approx. 15 kg / 33.07 lb.

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

ORDERING

Model	Product No.
DPF 70/22-250	200000275



DIAGRAM

TYPICAL RESPONSE CURVES FOR 500 kHz DUPLEX SPACING

