

Duplex Filter for the 150 MHz Band

DESCRIPTION

- High power base station duplex filter for the 140 - 175 MHz range.
- The use of large $\varnothing 250$ mm cavities means a high Q, resulting in a very narrow 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.
- Suitable for Wall Mounting (WM) by opening the Duplexer and have all 6 cavities in a row, so they can be attached with screws through the brackets and into the wall.



SPECIFICATIONS

Electrical	
Model	DPF 2/33-250-WM
Frequency	140 - 175 MHz
Max. Input Power	300 W @ 1.5 dB IL 150 W @ 3.0 dB IL
Insertion Loss	250 kHz @ < 2.0 dB 500 kHz @ < 1.5 dB 750 kHz @ < 1.0 dB
Tx Noise Suppression on Rx-Freq. / Rx Isolation on Tx-Freq.	250 kHz @ > 80 dB 500 kHz @ > 90 dB 750 kHz @ > 100 dB
Mechanical	
Connection(s)	N(f)
Dimensions	510 x 750 x 600 mm / 20.07 x 29.52 x 23.62 in.
Weight	Approx. 19.2 kg / 42.33 lb.
Environmental	
Operating temperature range	-30 °C to +60 °C
Frequency Stability	Approx. 1.5 ppm / °C

ORDERING

Model	Product No.
DPF 2/33-250-WM	200001877

TYPICAL RESPONSE CURVE FOR 500 KHZ DUPLEX

