

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.
- > Mounted on 19" brackets.



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 | 1.5 ppm/° C (approx.) |

ORDERING

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

TYPICAL RESPONSE CURVES FOR 500 KHZ DUPLEX

