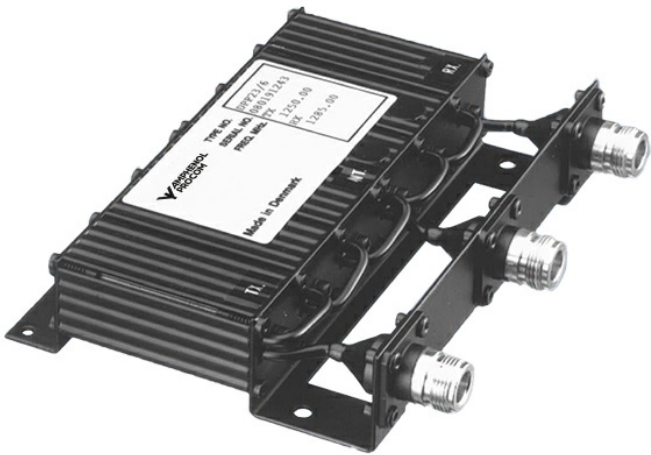


6-Cavity Duplexer for the 23 cm Amateur Radio Band

DESCRIPTION

- The DPF 23/6 is a 6-cavity duplex filter for the 23 cm amateur band.
- The DPF 23/6 can be tuned within the 1240 - 1300 MHz amateur band with a nominal duplex separation of 35 MHz.
- The filter uses full-length ¼ λ cavities in a compact, extruded aluminium housing. The chassis is made of passivated steel, and teflon insulation has been applied in the rigid coaxial cables and in the connectors.
- The filter is black vinyl coated to prevent corrosion.



SPECIFICATIONS

| Electrical | |
|--------------------------------------|--|
| Model | DPF 23/6 |
| Frequency | 1240 - 1300 MHz |
| Max. Input Power | 50 W |
| Insertion Loss Tx-Ant and Ant-Rx | ≤ 1.0 dB (typ. ≤ 0.7 dB) |
| Tx Noise Suppression on Rx Frequency | ≥ 85 dB |
| Isolation Rx on Frequency Tx | ≥ 85 dB |
| Impedance | 50 Ω |
| Duplex Spacing | 35 MHz (28 MHz on request) |
| VSWR | < 1.5:1 |
| Mechanical | |
| Connection(s) | N(f) |
| Dimensions | 135 x 154 x 33 mm / 5.31 x 6.06 x 1.30 in. |
| Weight | Approx. 0.62 kg / 1.37 lb. |
| Environmental | |
| Operating Temperature Range | -30 °C to +60 °C |
| Frequency Stability | Approx. 5 ppm / °C |

ORDERING

| Model | Product No. |
|----------|-------------|
| DPF 23/6 | 200000049 |

TYPICAL RESPONSE CURVE

