

## 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  $\frac{1}{4} \lambda$  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

