

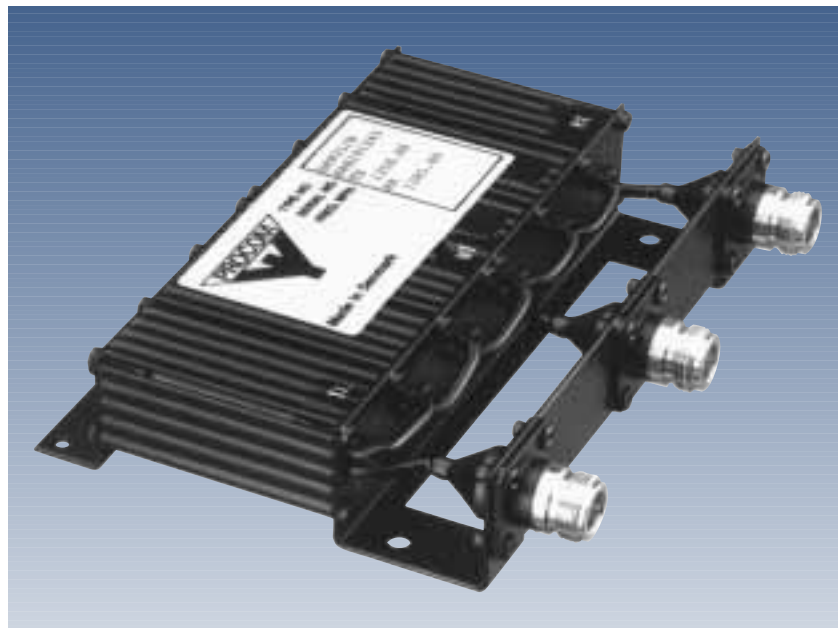
DPF 23/6

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 $1/4 \lambda$ 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	
TX/RX FREQUENCY	1240-1300 MHz
MAX. INPUT POWER	50 watt
NOM. SPACING TX-RX	35 MHz – 28 MHz on request
INSERTION LOSS TX-ANT AND ANT-RX	≤ 1.0 dB (typically ≤ 0.7 dB)
TX-NOISE SUPPRESSION ON RX-FREQUENCY (SINGLE CHANNEL TUNED)	≥ 85 dB
RX ISOLATION ON TX-FREQUENCY (SINGLE CHANNEL TUNED)	≥ 85 dB
DUPLEX SPACING	35 MHz (nominal) 28 MHz on request
IMPEDANCE	Nom. 50 Ω
SWR	≤ 1.5
MECHANICAL	
TEMPERATURE RANGE	-30° C i +60° C
FREQUENCY STABILITY	Approx. 5 ppm/° C
CONNECTORS	N-female
DIMENSIONS (L x W x H)	135 x 154 x 33 mm
WEIGHT	Approx. 620 g

TYPICAL RESPONSE CURVES @ 35 MHz DUPLEX SPACING:

