

## High power VHF Duplex Band-Pass Filter incl. Low Pass Filter, for PMR/DMR and Telemetry networks

### DESCRIPTION

- The DPBP 2/66-150 LL/1-...-1/LPF is a 2 x 6 resonator high quality Duplex Band Pass filter designed to combine special custom required Tx and Rx bands to one common antenna.
- The high performance filter design secures a low Insertion Loss and an improved isolation between the specified Tx and the Rx band.
- The DPBP 2/66-150 LL/1-...-1/LPF can accommodate a continuous power of max. 150 W.
- The DPBP filter includes a low pass filter for highly attenuating the unwanted 3th. & 5th. harmonics occurring from radio system and the DPBP itselfes.
- The DPBP 2/66-150 LL/1-...-1/LPF filter can be fitted into a 19" mounting tray, 3 HU in height, 600 mm in depth.
- For other frequencies in the VHF band please contact Amphenol Procom for availability



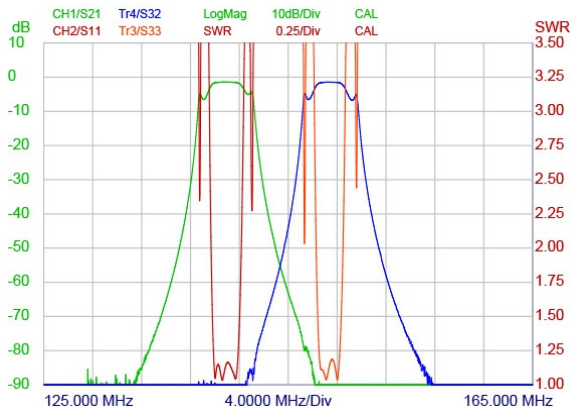
### SPECIFICATIONS

Electrical	
Model	DPBP 2/66-150 LL/1-...-1/LPF
Frequency	See ordering
Max. Input Power	150 W
Tx-Rx Isolation	> 70 dB
Rx-Tx Isolation	> 70 dB
Tx-Rx Spacing	7.5 MHz or 10 MHz
Insertion Loss	≤ 1.7 dB
Impedance	50 Ω
Reject Attenuation	> 50 dB @ 3th. & 5th. harmonic
VSWR	< 1.3:1 (>18 dB) (Return loss)
Bandwidth (Tx and Rx)	1 MHz
Mechanical	
Connection(s)	N(f) on all ports
Dimensions	19" x 3 HU x 600 mm (482.6 x 133.4 x 600 mm) / 19 x 5.25 x 23.62 in.
Weight	Approx. 14 kg / 30.86 lb.
Environmental	
Operating Temperature Range	-30 °C to +60 °C

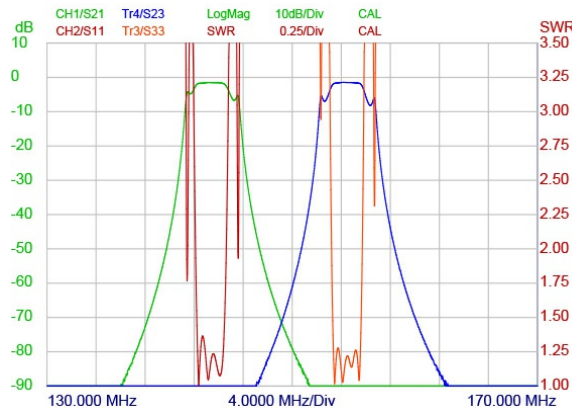
### ORDERING

Model	Product No.	Frequency
DPBP 2/66-150 LL/1-7.5-1/LPF	200002895	Rx: 139.5 - 140.5 MHz / Tx: 148 - 149 MHz
DPBP 2/66-150 LL/1-10-1/LPF	200002833	Rx: 143 - 144 MHz / Tx: 154 - 155 MHz

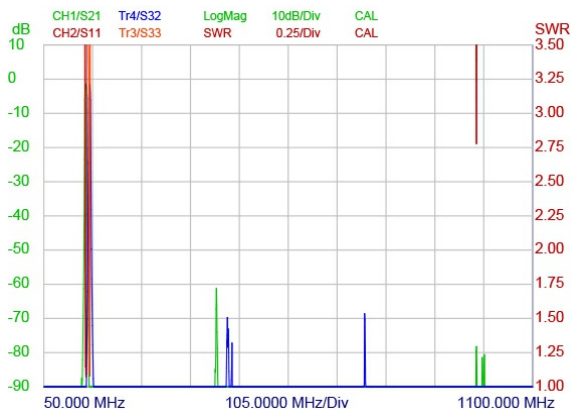
TYPICAL RESPONSE CURVES FOR 7.5 MHZ



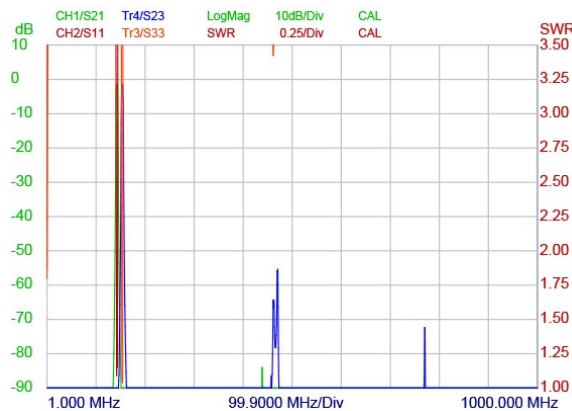
TYPICAL RESPONSE CURVES FOR 10 MHZ



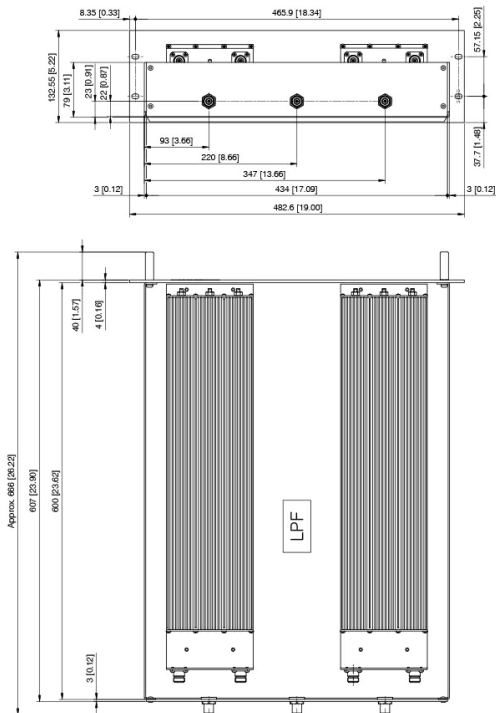
TYPICAL OUT OF BAND CURVES FOR 7.5 MHZ



TYPICAL OUT OF BAND CURVES FOR 10 MHZ



MECHANICAL OUTLINE



All dimensions are given in mm [in.]