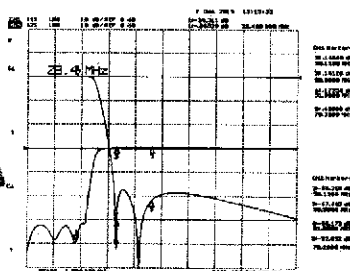
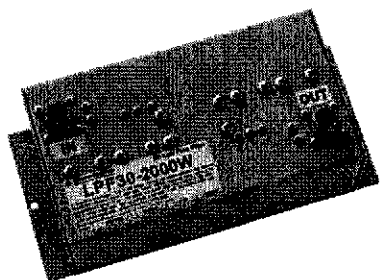


Full Power Legal Limit Extreme Low Loss HF Lowpass Filter



Specifications

Passband	1.5 - 29.7 MHz
Insertion Loss 1.8 MHz - 29.7 MHz:	≤ 0.07 dB
Input Return Loss:	Better than -29 dB
Maximum SWR on any frequency:	≤ 1.074
Nominal Impedance:	50 Ω
Attenuation:	50 - 54 MHz ≥ 50 dB 70 - 70.5 MHz ≥ 52 dB FM 88 - 108 MHz ≥ 49 dB 144 - 148 MHz ≥ 57 dB 222 MHz ≥ 68 dB 430 - 440 MHz ≥ 78 dB
Maximum Power Input at 50% Duty Cycle:	SWR 1:1 2000 W SWR 1:1.5 1500 W SWR 1:2 1200 W SWR 1:3 1000 W
Connectors:	SO239. "N" by order
Filter Size:	180 mm x 105 mm x 65 mm
Weight:	0.7 kg
Mounting:	Any position (5 mm holes for wall mount)
Working Environment:	Indoor

Data measured on assembled filter with HP8753ES network analyzer full 2-port calibrated. These excellent results were achieved by careful design, tuning and selection of components.

Put lowpass filter in line between linear amplifier and antenna. Filter will suppresses TVI, RFI and other interferences by reducing unwanted harmonics. **Do not operate the filter with a high SWR or reduce power according to the table above.**

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