



LSF and HSF Filters

Compact Signal Conditioning Filters Safety BNC Connectors



N4L have designed a set of easy to implement signal conditioning filters specifically to be used with our PPA range of Precision Power Analyzers and our PSM range of Phase Sensitive Multimeter instruments.

Our LSF Filters are a range of filters specifically designed for use with the N4L range of HF current shunts.

Available as 5 kHz low pass and 50 kHz low pass for improved signal to noise ratio. These compact filters are fitted with safety BNC connectors to enable direct connection to the PPA external inputs.

The HSF10m filter has been designed for DC blocking and is used in pairs with our BATT470m EIS (Electrochemical Impedance Spectroscopy) along with our PSM3750.

**ELECTRICAL DATA**

Max Voltage
Frequency Roll Off
Roll Off rate
Isolation Voltage
Output connector

LSF05

: 200V
: -3dB @ 5kHz ± 1kHz
: 40 dB/dec
: 600V CAT II
: Female Safety BNC

LSF50

: 200V
: -3dB @ 50kHz ± 10kHz
: 40 dB/dec
: 600V CAT II
: Female Safety BNC

HSF10m

: 200V
: -3dB @ 10MHz ± 2MHz
: 20 dB/dec
: 600V CAT II
: Female Safety BNC

PHYSICAL DATA

Interface cable length
Dimensions H x H x L (mm)

: N/A
: 20 x 16 x 40 (80 Inc. connectors)

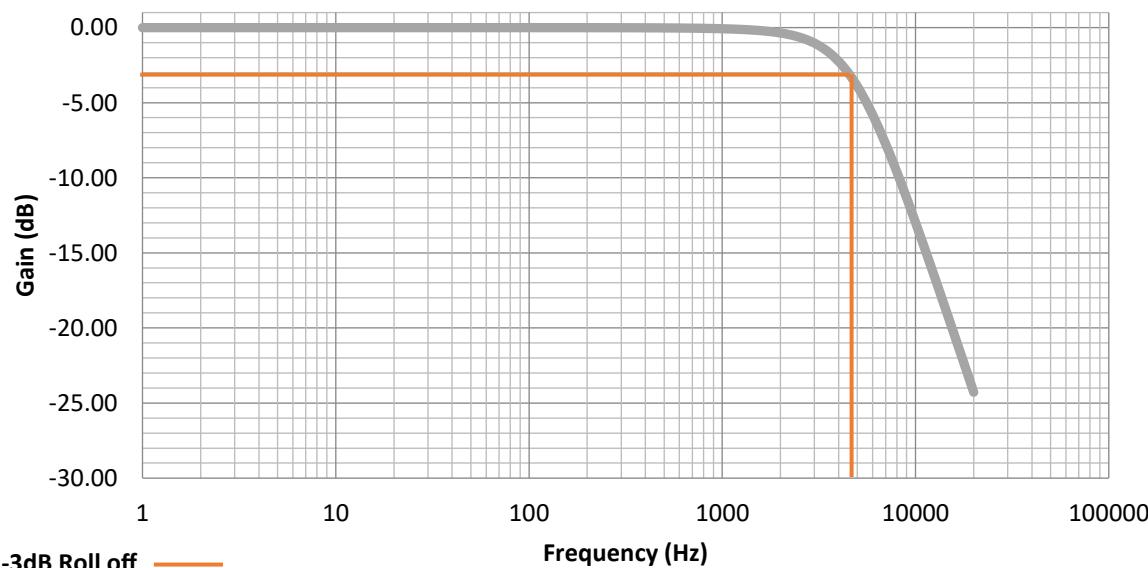
: N/A
: 20 x 16 x 40 (80 Inc. connectors): 36 x 22 x 65 (Inc. Female BNC)

WARNING

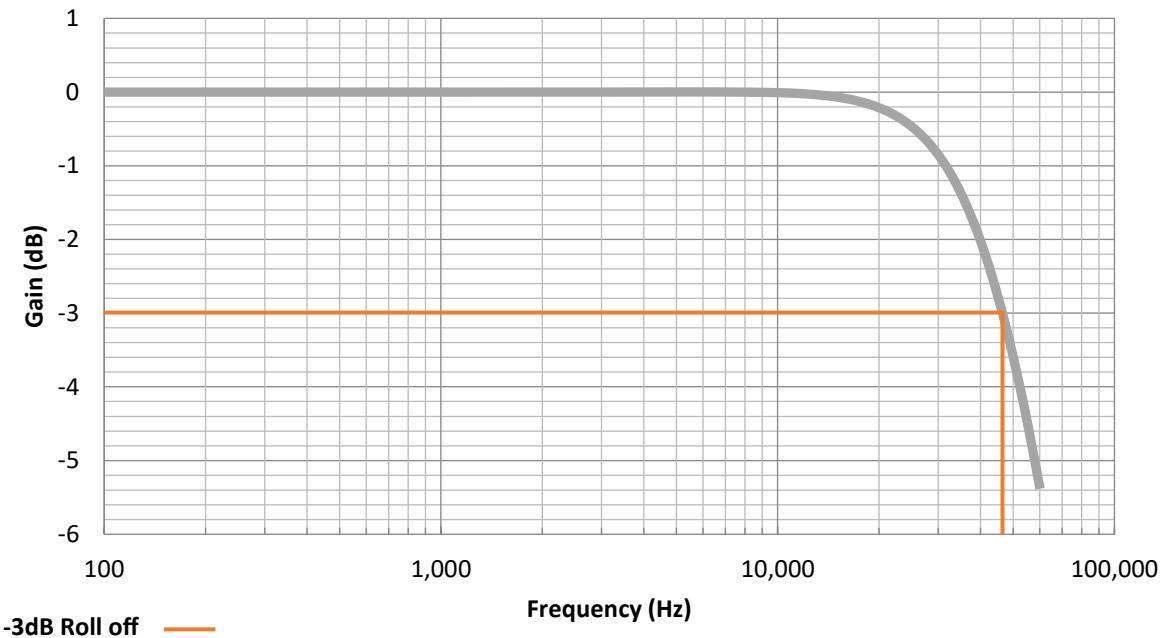
This note must be read in full. Any operations on live conductors can be dangerous. The operator is expected to be fully aware of all necessary electrical safety regulations and procedures. Safe operation is their responsibility. It is up to the user to ensure that the equipment is at all times in its original safe conditions

Filter Frequency Characteristics

LSF05 Typical Characteristics



LSF50 Typical Characteristics



HSF10m Typical Characteristics

