



ESF – External Signal Filters

Compatible with PSM and PPA Range



ESF05 – 5kHz Low Pass Filter
ESF50 – 50kHz Low Pass Filter

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.

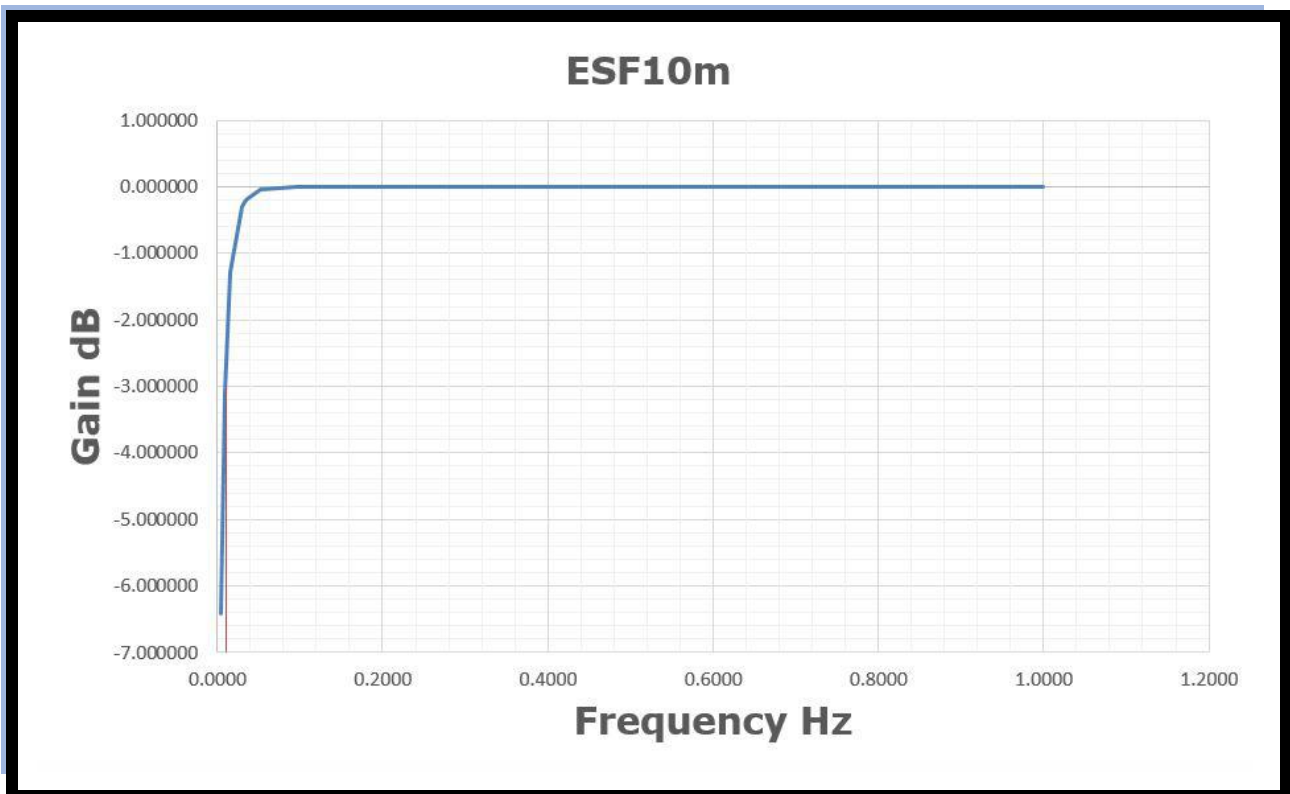
These compact filters are fitted with safety BNC connectors to enable direct connection to the PPA external inputs.

ESF10m – 10mHz High Pass Filter

The ESF10m filter has been designed for DC blocking and is designed to be used in pairs with our BATT470m EIS (Electrochemical Impedance Spectroscopy)

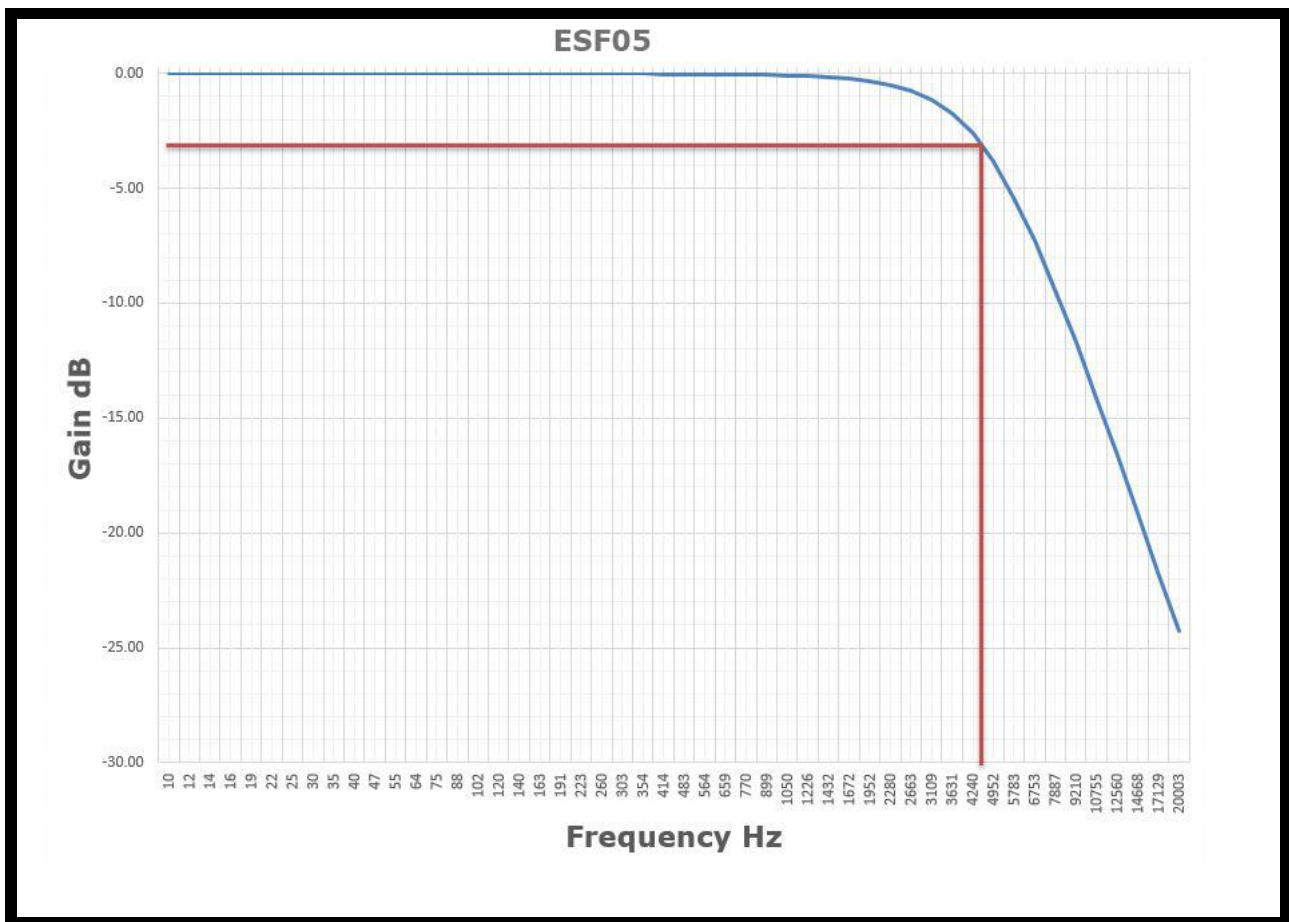
ESF10m

Parameter	Specification
Max Voltage	200V
Frequency Roll Off	-3dB@ 10mHz \pm 2mHz
Roll Off rate	20 dB/dec
Interface cable length	270mm Inc. Safety BNC
Dimensions(mm)	Box : 36W, 22H, 65L (Inc. Female BNC)
Output connector	Female Safety BNC
Isolation Voltage	600V CAT II



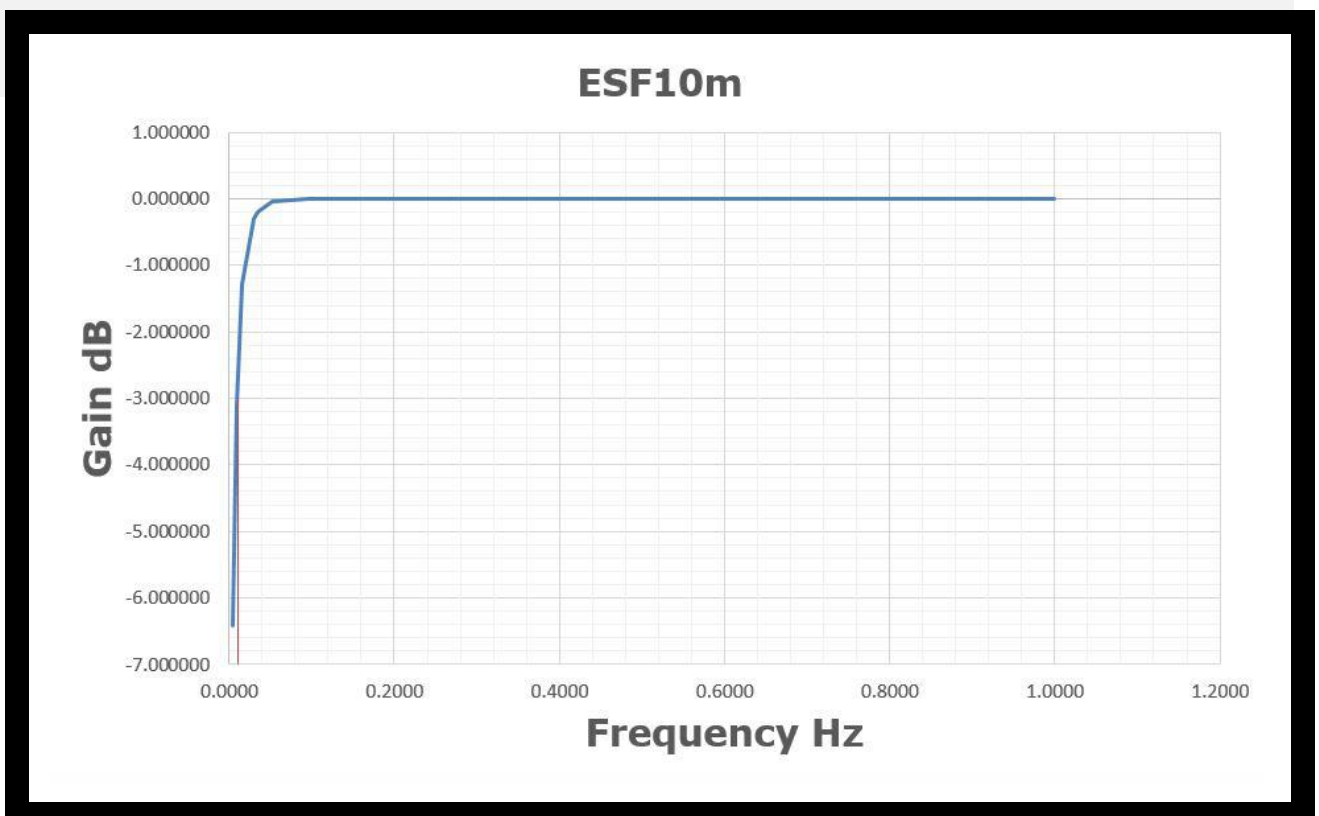
ESF05

Parameter	Specification
Max Voltage	200V
Frequency Roll Off	-3dB@ 5kHz \pm 1kHz
Roll Off rate	40dB/dec
Interface cable length	N/A
Dimensions(mm)	20W, 16H, 40L (80 Inc. Connectors)
Output connector	Female Safety BNC
Isolation Voltage	600V CAT II



ESF50

Parameter	Specification
Max Voltage	200V
Frequency Roll Off	-3dB@ 50kHz \pm 10kHz
Roll Off rate	40dB/dec
Interface cable length	N/A
Dimensions(mm)	20W, 16H, 40L (80 Inc. Connectors)
Output connector	Female Safety BNC
Isolation Voltage	600V CAT II



SAFETY 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.