

High Frequency Current Shunts

HF010
HF100
HF470

The HF series shunts provide an accurate current sensing solution for many wideband power measurement applications up to 20Arms.

Utilising an innovative design that is unique to N4L, each shunt will maintain its specified resistance over a frequency range from DC to 1MHz without exhibiting the phase shift normally associated with resistive shunts.

While the HF series was primarily designed for use with the PSM2200 QuanteQ to provide an accurate high frequency power measurement solution, they can be used as a precise current sensing device for many measuring instruments.



Model	Nominal Resistance	Continuous Current	Nominal Inductance	Phase Error
HF010	10mΩ ± 0.1%	20A rms	< 1nH	0.01° / kHz
HF100	100mΩ ± 0.1%	6A rms	< 1nH	0.001° / kHz
HF470	470mΩ ± 0.1%	2.5A rms	< 1nH	0.0001° / kHz

Permitted Crest Factor: 10
 Input connectors: 4mm safety type
 Output connector: isolated BNC
 Protection rating: 600V Cat II