

FEATURES:

- Current Range 32 to 250 Amperes
- Very High RF Attenuation
- Fully Tested for Attenuation Performance
- Durable Construction
- CE Marked



N192X Series Power Filters

THE N192X POWER FILTERS

are very high performance EMI power filters for use in EMC and TEMPEST applications, and in very high performance screened rooms.

DESCRIPTION

The N192X family of power filters from ETS-Lindgren are designed for applications in the frequency range of 14 kHz to 10 GHz.

For currents greater than the maximum ratings of 250 A, two or more filters of the same type number may be connected in parallel without any significant performance loss. When fitted with transient suppressors, they give almost total protection against mains-borne transients.

To ensure optimum performance, these filters should be connected to a very low impedance earth ground.

All ETS-Lindgren filters are ROHS Compliant and are CE marked for Compliance with the low voltage directive.

FEATURES

Current Range

All N192X filters offers current ranges from 32 to 250 Amperes.

Very High RF Attenuation

The N192X series of filters provide very high (100 dB) RF attenuation over the range from 14 kHz to 10 GHz.

Tested for Attenuation Performance

These filters are fully tested for attenuation performance before shipping.

Durable Construction

The filter networks of this series are RF sealed in high quality electroplated steel (1.2 mm 18 SWG) case, with a gray aluminum (RAL 9007) paint finish. Secure and permanent earthing of the case of these filters is essential for safety reasons.

CE Marked

These filters are CE marked for compliance with the EMC and Low Voltage directive.

APPLICATIONS

- In high performance screened rooms, providing sufficient attenuation of both the incoming and outgoing mains supply lines to match the shield performance.
- In TEMPEST applications where the very highest degree of protection is required to obtain maximum security.
- In EMP protection systems.

STANDARD CONFIGURATION

- Filter networks RF sealed in high quality electroplated steel cases
- Choice of cable entry location
- Fixing Kit

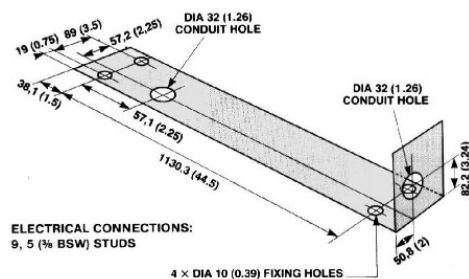
OPTIONS

- TS (transient suppressor)
- HVTS (high voltage transient suppressor)
- Other options available upon request

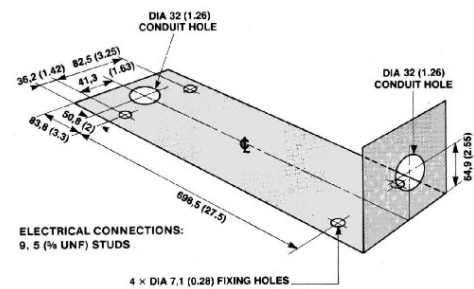
Electrical Specifications

PART #	Current Max (Amps)	Voltage Max (Volts)	Freq. (Hz)	Number of Lines	Volt Drop on Full Load in a 250V 50/60 Hz Sys. Per Line (Max)	DC Resistance Per Line (milliohms)	Total Series Inductance Per Line (mH)	Total Shunt Capacitance (μF)	Full Load Dissipation (W)	Case Temperature Rise on Full Load (°C)	Maximum Recommended Case Temperature on Full Load (°C)	Filters Fitted with 250V Transient Suppressors	Filters Fitted 400V Transient Suppressors
N1923	32	250	DC/50/60	Single	0.6	24	600	36	100	12	70	TS	HVTS
N1923	20	120	400	Single	0.6	24	600	36	100	12	70	TS	HVTS
N1924	63	250	DC/50/60	Single	0.7	9	300	36	100	15	70	TS	HVTS
N1924	40	120	400	Single	0.7	9	300	36	100	15	70	TS	HVTS
N1925	100	250	DC/50/60	Single	0.9	5	246	68	100	15	70	TS	HVTS
N1925	60	120	400	Single	0.9	5	246	68	100	15	70	TS	HVTS
N1926	200	250	DC/50/60	Single	0.9	2.5	123	116	300	15	70	TS	HVTS
N1926	120	120	400	Single	0.9	2.5	123	116	300	15	70	TS	HVTS
N1926/250	250	250	DC/50/60	Single	0.9	2.5	123	15	300	15	70	TS	HVTS
N1926/250	120	120	400	Single	0.9	2.5	123	15	300	15	70	TS	HVTS

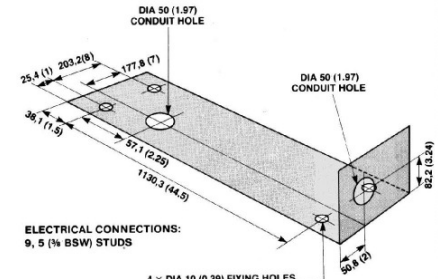
PART #	LENGTH	WIDTH	HEIGHT	WEIGHT
N1923	866.1 mm (34.1 in)	154.9 mm (6.1 in)	132.3 mm (5.2 in)	19 kg (41.9 lbs)
N1924	866.1 mm (34.1 in)	154.9 mm (6.1 in)	132.3 mm (5.2 in)	22.7 kg (50.0 lbs)
N1925	1206.5 mm (47.5 in)	136 mm (5.4 in)	156 mm (6.1 in)	34.5 kg (76.1 lbs)
N1926	1206.5 mm (47.5 in)	263 mm (10.4 in)	156 mm (6.1 in)	62.2 kg (137.1 lbs)
N1926/250	1206.5 mm (47.5 in)	263 mm (10.4 in)	156 mm (6.1 in)	62.2 kg (137.1 lbs)



N1925 Physical Specification Diagram

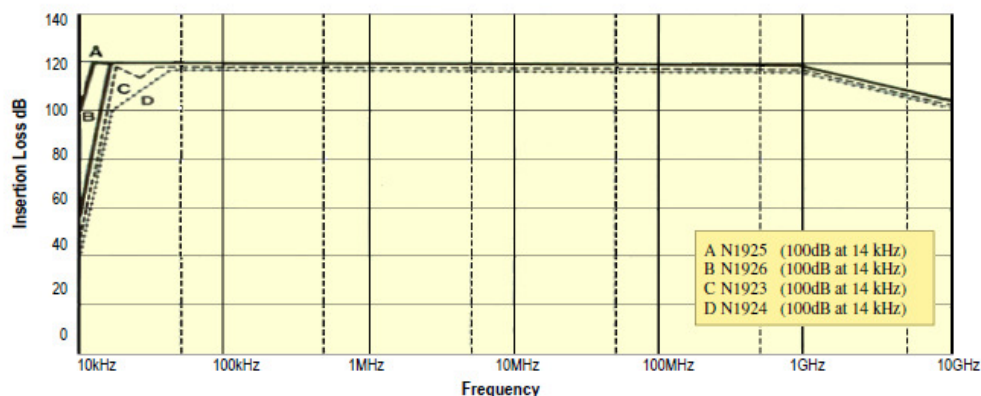


N1923 and N1924 Physical Specification Diagram



N1926 and N1926/250 Physical Specification Diagram

N192X Series Performance Graph



Typical Filter Performance: Measured in a 50 ohm system in accordance with MIL-STD-220C. These filters conform to all relevant sections of BS 613.