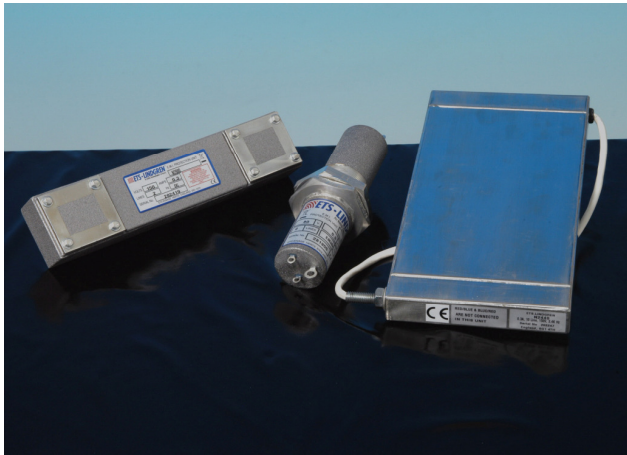


N253X SERIES & N246X SERIES



Description

This range of filters has been designed for use in data lines where either digital or analogue information needs to be transmitted. For maximum flexibility the range includes 2-line and 10-line modular filters. These filters can be used for EMI and Tempest applications.

The 25kHz and 100kHz analogue data filters are designed for use in 300 Ohm earth return systems (i.e. 600 Ohm balanced line circuits).

The 2.4 kbit and 9.6 kbit digital data filters are specifically designed to tolerate a wide range of line impedances between 300 Ohms and 20 kOhms.

These signal filters are not suitable for use on mains supply lines and should only be used for systems with voltage amplitudes of less than 150 Volts DC or AC peak.

The 2-line tubular designs are manufactured from brass; with nuts, washers and plastic end covers supplied.

The 10-line package provides filtering of 50, 100 and 200 lines (and beyond) in multiples of ten. Further to this the ETS-Lindgren telephone and control modules are directly interchangeable with this range, enabling the user to mix and match filters in the same housing.

This modular system is ideal for installations where future expansion of the communications network is envisaged. The system is enclosed in high quality electro-plated steel cases for low impedance grounding.

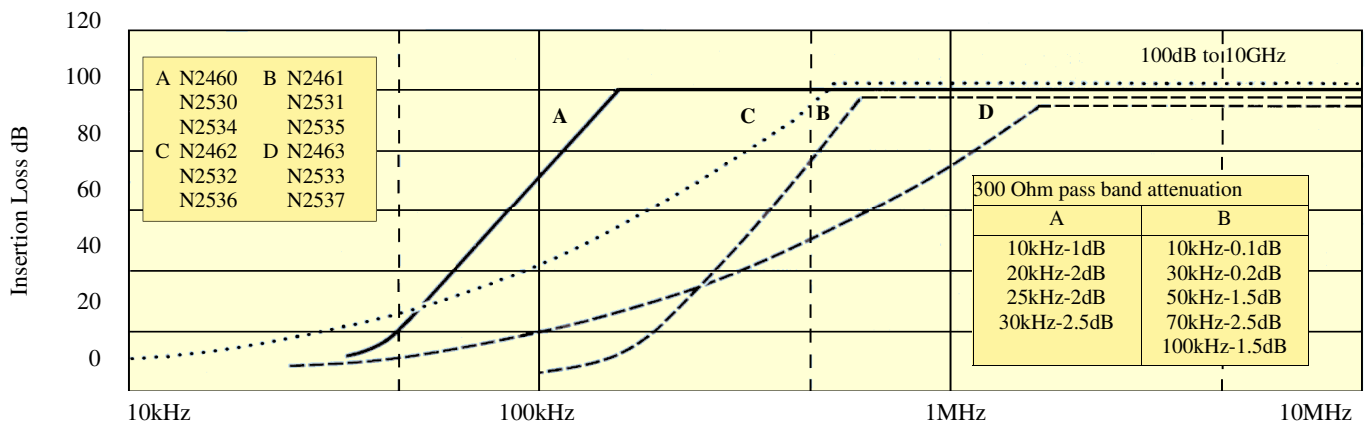
Please refer to the sales office for EMP applications and other systems requiring transient protection.

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

Features

- Digital and analogue transmissions
- Suitable for EMI and Tempest protection
- Tubular, flat-pack or modular design

Performance Graph

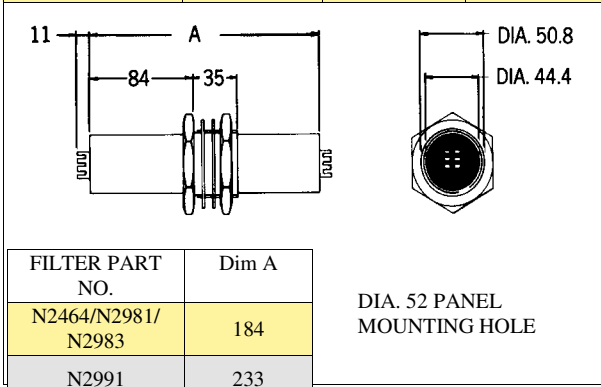


TYPICAL FILTER PERFORMANCE

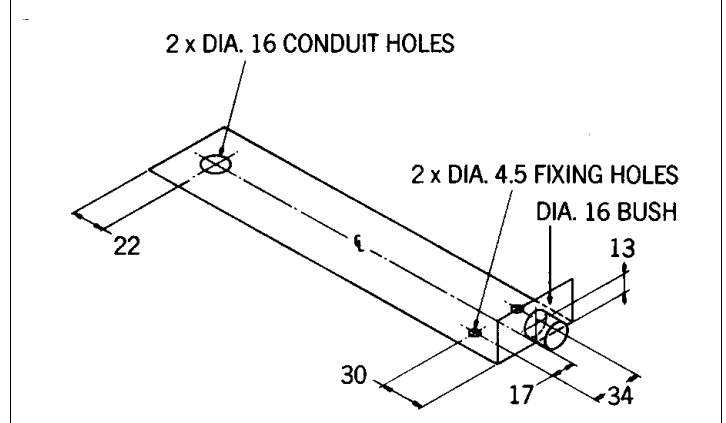
Typical performance for these filters as measured in accordance with MIL-STD 220A in a 50 Ohm system with additional testing to 10GHz.

Physical Data

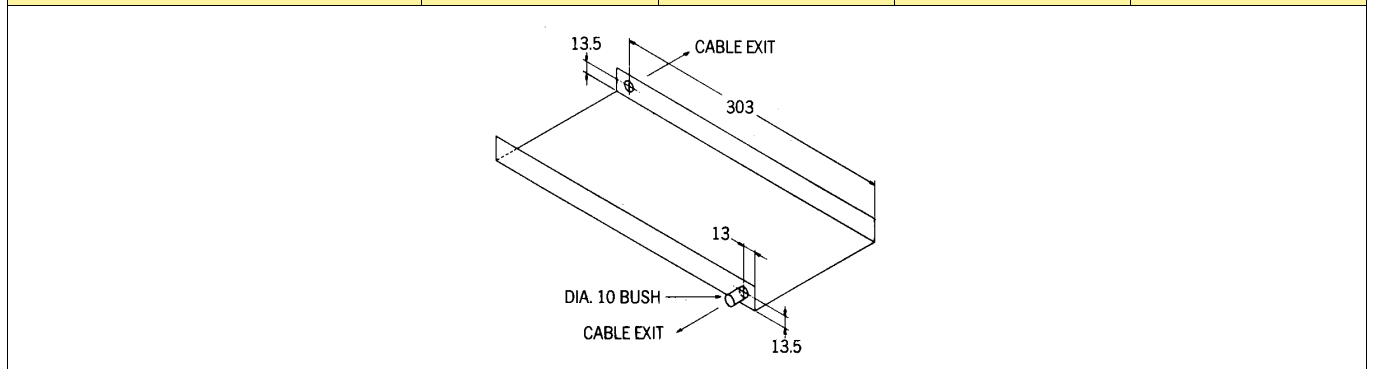
PART NUMBER	Length (mm)	Diameter (mm)	Weight (mm)
N2530/N2531 N2532/N2533	206	65	0.68



PART NUMBER	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
N2534/N2535/N2536/N2537	268	58	32	1



PART NUMBER	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
N2460/N2461/N2462/N2463	320	26	150	2.2



PART NUMBER	A	B	C	D	E	F	G	H	J	K	L	M	P	Weight (kg)
N2457	520	190	360	406	246	10	80	57	35	120	25.4	9	10	15
N2456	520	340	360	416	250	19.5	80	52	67.5	205	38	9	19.5	21
N2455	520	640	360	406	250	230	80	57	90	460	51	9	60.5	40

10 LINE HOUSING	
Housing Number	Number of Lines
N2457	UP TO 50
N2456	UP TO 100
N2455	UP TO 200



Continuous Development: ETS-Lindgren Ltd reserves the right to amend any information contained within this datasheet without prior notice to take into account new developments. Please note: All figures are typical unless otherwise specified. All dimensions are approximate. All dimensions are in mm.

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