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AC Equipment Filters

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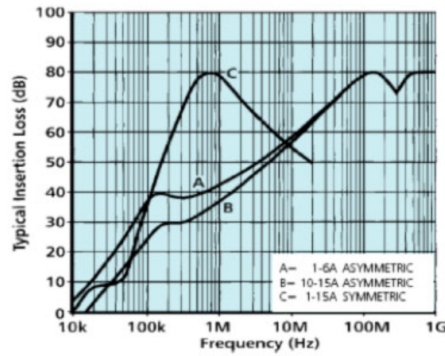
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DESCRIPTION

A range of high performance AC power input filters for filtering incoming power to sensitive or noisy equipment.

RATINGS & CHARACTERISTICS

Rated Voltage	250V ac 50/60Hz, 250Vdc	
Test Voltage	(line – earth)	2250V dc
	(line – line)	1250V dc
Rated Current, IR	As tabulated	
Insertion Loss	See graph	
Maximum Volt Drop per line at full load dc current	250mV	
Maximum Full Load Heat Dissipation	As tabulated	
Discharge Time to below 34V	2s maximum	
Maximum Temperature Rise at Full Load	25°C	
Ambient Temperature Range	-25°C to +85°C	
Climatic Category	25/85/21	
Maximum Leakage Current (at 250V 50Hz)	0.4mA	

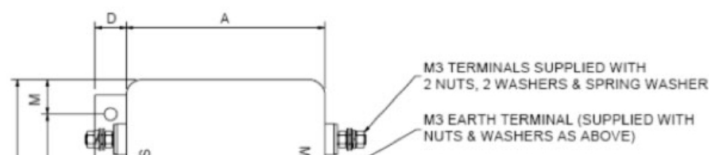
PRODUCT RANGE

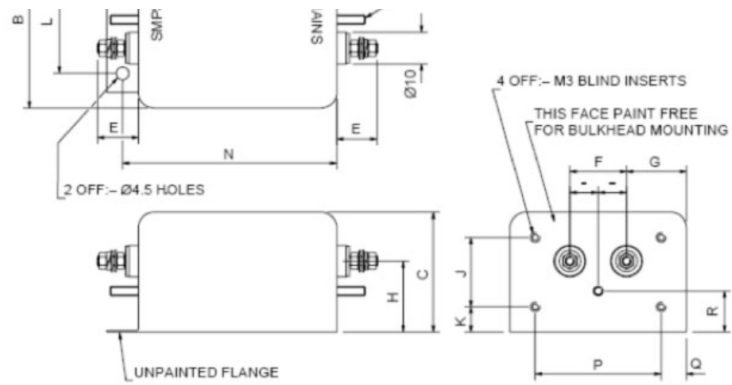
Part Number	Current Rating IR (A) @50°C*	Maximum Heat Dissipation (W)	Major Dimensions (mm)			Weight (g)
			Length A	Width B	Depth C	
DS26770	1	0.15	51	51	32	170
DS26771	3	1.5	51	51	32	170
DS26772	6	3.5	64	56	38	260
DS26773	10	2.0	88	60	38	440
DS26774	15	4.5	88	60	38	440

*Current derating between 50°C and 85°C For temperature, $\theta I\theta = IR \sqrt{(85-\theta)/35}$

DIMENSIONS & MECHANICAL DETAILS

Part Number	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
DS26770, DS26771	51	51	32	–	13	16	17.5	21.5	18	7	–	–	–	37	7	10.5
DS26772	64	56	38	–	13	18	19	25	22	7	–	–	–	40	8	12.5
DS26773, DS26774	88	60	38	11	13	20	20	25	20	9	35	12.5	94	44	8	12.5





SAFETY

All high performance filters contain capacitors which will store charge even after the power has been removed from the filter. All ac filters listed are fitted with internal discharge resistor networks. These are intended to discharge the capacitors to a safe level within two seconds of switching off the power.

As an added precaution, after removing the power, filter terminals should always be shorted to earth (filter case) and to each other, before touching. A good low impedance earth connection must be made to the filter.