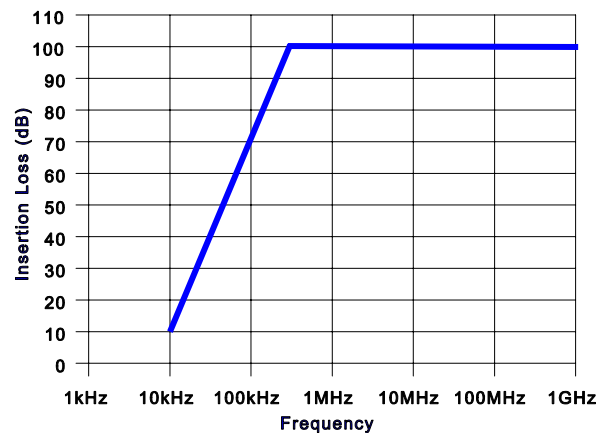
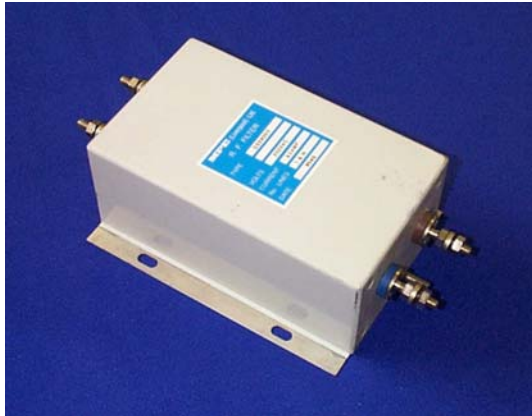


EQUIPMENT FILTERS HIGH CURRENT, SINGLE PHASE



APPLICATIONS

This range of high current equipment filters is suitable for a wide variety of EMC applications where high performance filtering of single phase a.c. mains lines is required. The filters incorporate feedthrough capacitors to give excellent high frequency performance. They are designed for either bulkhead or chassis mounting for optimum flexibility although maximum performance will only be achieved when bulkhead mounted. Self-healing metallised plastic film capacitors are used for maximum reliability and safety. This range of filters is intended for use in a permanently earthed application and complies with the proof voltage requirements of EN133200. The range is RoHS compliant.

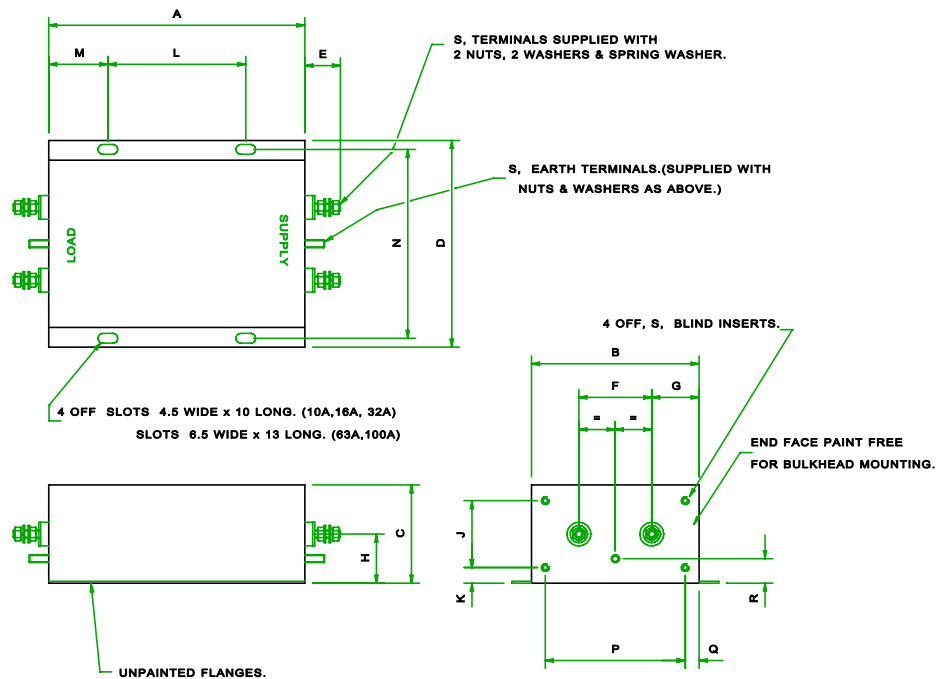
PRODUCT RANGE

MPE PART NUMBER	CURRENT RATING @ 50°C (A)	HEAT DISSIPATION (W)	MAJOR DIMENSIONS (mm)			APPROX. WEIGHT (kg)
			A	B	C	
DS29000	10	2	105	85	50	0.75
DS29001	16	3	105	85	50	0.75
DS29002	32	5	130	85	50	1
DS29003	63	11	170	100	70	2
DS29004	100	24	220	110	85	2.5

GENERAL SPECIFICATION

Rated Voltage	250V a.c. 50/60Hz, 600V d.c.
Test Voltage	2250V d.c.
Rated Current	As tabulated above
Insulation Resistance	100MΩ minimum
Maximum Temperature Rise on Full Load	25°C
Operating Temperature Range	-25°C to +85°C
Maximum Leakage Current (at 250V 50Hz)	125mA
Maximum Heat Dissipation	As tabulated above
Insertion Loss (50Ω, asymmetric)	100dB from 300kHz to 1GHz (see graph)
Maximum Discharge Time to below 34V	2 seconds

DIMENSIONS (in mm)



Filters are housed in painted electroplated steel cases.

MPE PART NUMBER	DIMENSIONS in mm (nominal)																
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
DS29000	105	85	50	105	18	37	24	25	34	8	55	25	96	71	7	12.5	M4
DS29001	105	85	50	105	18	37	24	25	34	8	55	25	96	71	7	12.5	M4
DS29002	130	85	50	105	18	37	24	25	34	8	70	30	96	71	7	12.5	M4
DS29003	170	100	70	128	32	40	30	40	50	10	90	40	114	76	12	20	M6
DS29004	220	110	85	138	32	45	32.5	50	65	10	120	50	124	86	12	25	M6

INSTALLATION DETAILS

The chassis and/or bulkhead should be a flat clean paint-free metal surface to provide a good low impedance earth bond.

Recommended thread tightening torques: M4: 1.2 N-m M6: 2.5 N-m

SAFETY

These filters must be solidly and permanently earthed via the chassis mounting, the bulkhead mounting, or via the earth screw provided. Terminals must be suitably enclosed by the user.

These filters are fitted with discharge resistors, but the user must still ensure that the capacitors are safely discharged prior to touching terminals. This range of products is RoHS compliant.

MPE product data sheets are provided for guidance only and are ©MPE Limited

MPE Limited, Hammond Road, Knowsley Industrial Park, Liverpool L33 7UL, UK

Tel: +44 (0)151 632 9100 Fax: +44 (0)151 632 9112

E-Mail: sales@mpe.co.uk Web Site: www.mpe.co.uk

Approved to ISO9001

