

Single Stage Power Line Filters Chassis Mount

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**RoHS
Compliant**



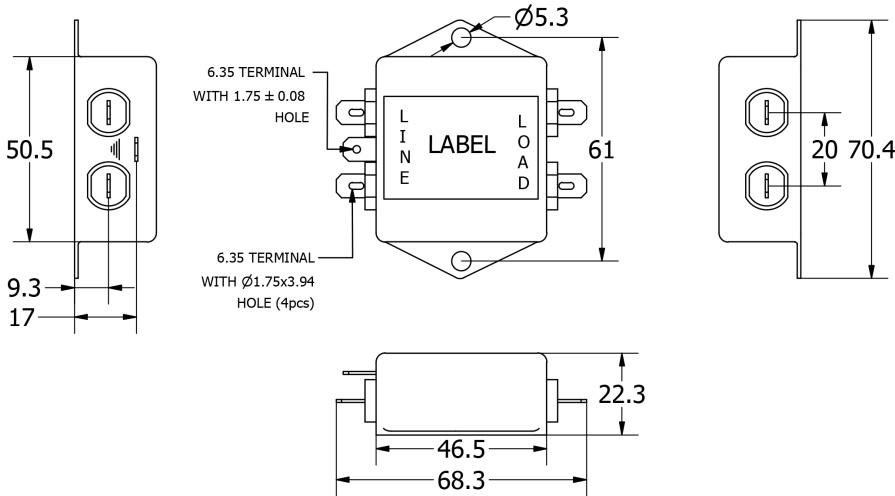
Quick Connect Terminals



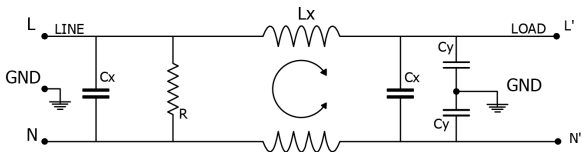
Stud Terminals

MP007481

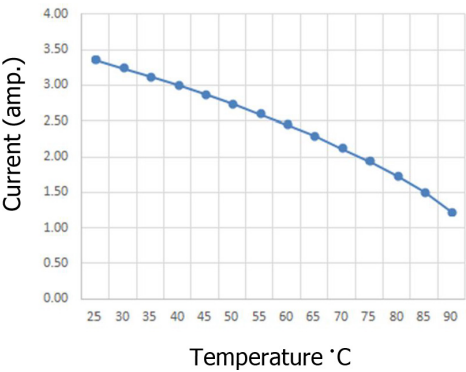
Mechanical Details



Electrical Schematic



Derating curve



50Ω to 50Ω Typical Insertion Loss

Frequency MHz	0.01	0.1	0.5	1	2	5	10
Common DB	20	41	44	41	39	44	41
Differential DB	1	26	62	67	63	70	40

Dimensions : Millimetres

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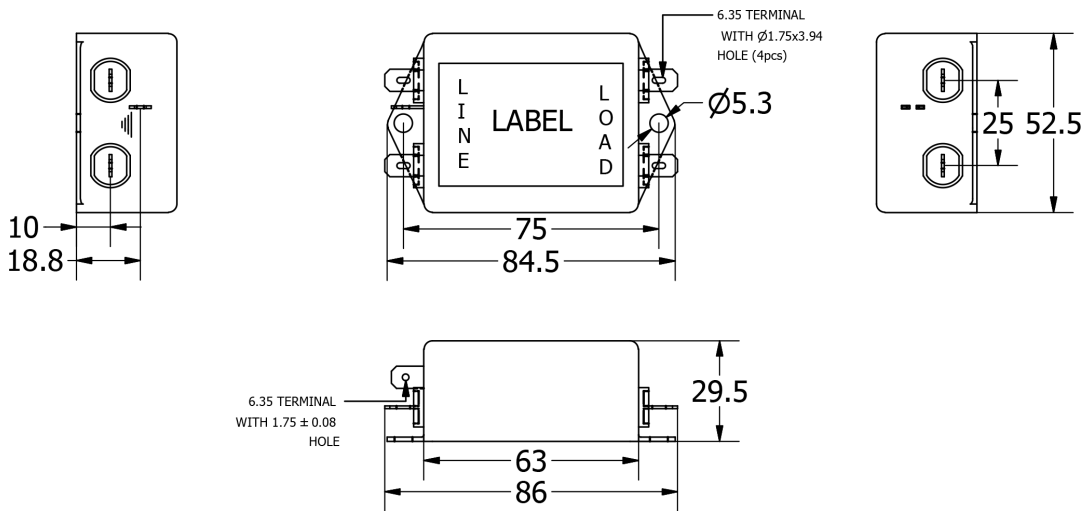
Single Stage Power Line Filters

Chassis Mount

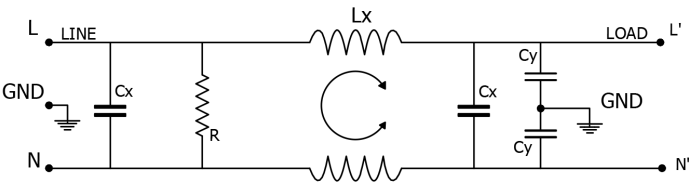
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MP007482

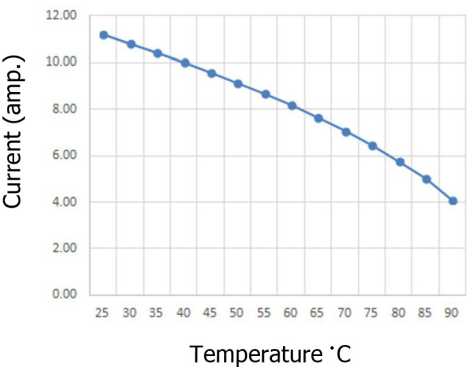
Mechanical Details



Electrical Schematic



Derating curve



50Ω to 50Ω Typical Insertion Loss

Frequency MHz	0.01	0.1	0.5	1	2	5	10
Common DB	15	34	41	48	52	44	25
Differential DB	25	62	86	71	59	41	28

Dimensions : Millimetres

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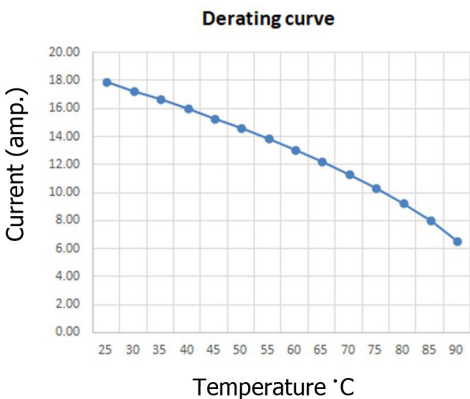
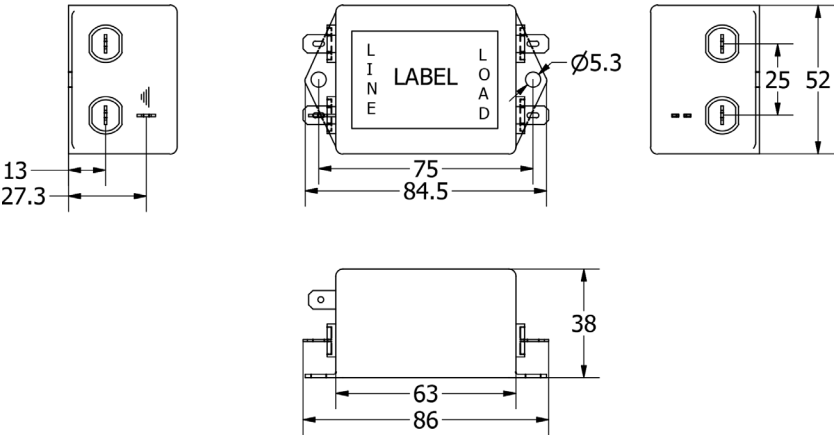
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Single Stage Power Line Filters Chassis Mount

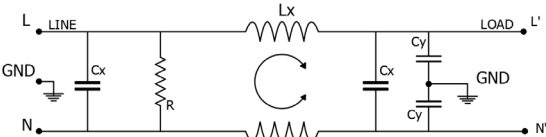
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MP007483, MP007485

Mechanical Details

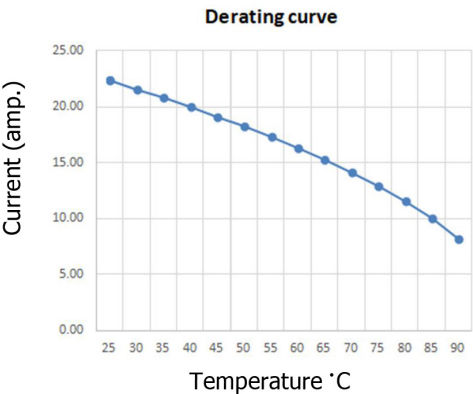


Electrical Schematic



Dimensions : Millimetres

MP007485



50Ω to 50Ω Typical Insertion Loss

Frequency MHz	0.01	0.1	0.5	1	2	5	10
Common DB	5	31	78	79	73	60	69
Differential DB	9	29	49	51	54	56	57

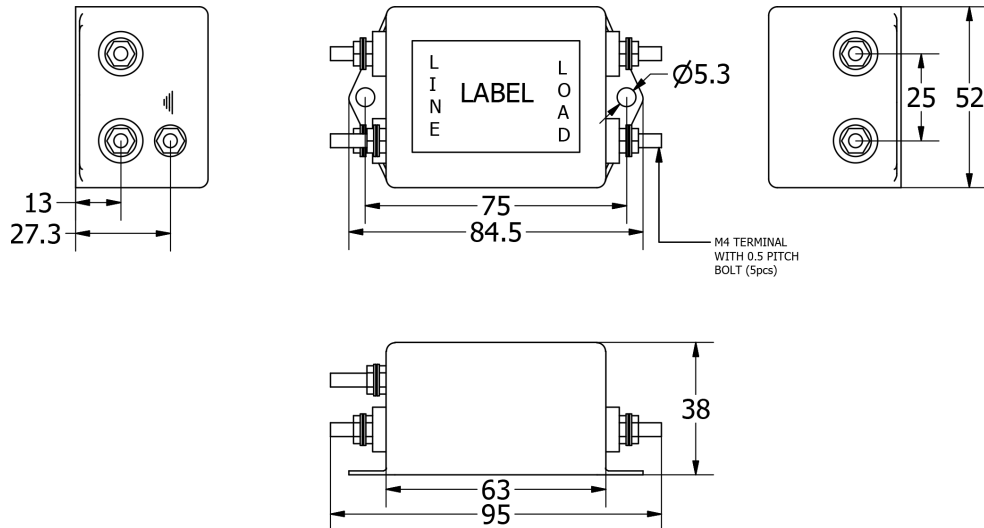
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Single Stage Power Line Filters Chassis Mount

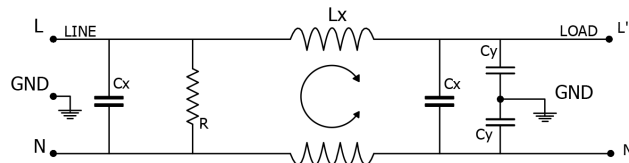
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MP007486

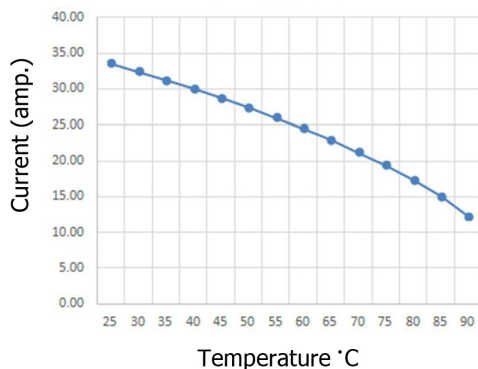
Mechanical Details



Electrical Schematic



Derating curve



Dimensions : Millimetres

50Ω to 50Ω Typical Insertion Loss

Frequency MHz	0.01	0.1	0.5	1	2	5	10
Common DB	5	31	78	79	73	60	69
Differential DB	9	29	49	51	54	56	57

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Specifications

	MP007481	MP007482	MP007483	MP007485	MP007486
Rated Voltage (MAX)	3 AMP, 120V AC to 250V AC 50HZ to 60HZ	10 AMP, 120V AC to 250V AC 50HZ to 60HZ	16 AMP, 120V AC to 250V AC 50HZ to 60HZ	20 AMP, 120V AC to 250V AC 50HZ to 60HZ	30 AMP, 120V AC to 250V AC 50HZ to 60HZ
Hi-pot Rating (One Minute)	Line to Ground: 3000V DC				
	Line to Line: 1100V DC				
Maximum Leakage Line to Ground	0.20mA @120V AC 60 Hz	0.30mA @120V AC 60 Hz		0.90mA @120V AC 60 Hz	
	0.35mA @250V AC 50 Hz	0.52mA @250V AC 50 Hz		1.57mA @250V AC 50 Hz	
Climate Class: 25/100/21	Temperature Range: -25°C to +100°C				
	Overload Current: 1.5x Rated ct. for 1 min.				
Approval	UL Approved				

Part Number Table

Description	Part Number
Power Line Filter, High Performance, 250V AC, 3A, Single Phase, 1 Stage, Quick Connect	MP007481
Power Line Filter, High Performance, 250V AC, 10A, Single Phase, 1 Stage, Quick Connect	MP007482
Power Line Filter, High Performance, 250V AC, 16A, Single Phase, 1 Stage, Quick Connect	MP007483
Power Line Filter, High Performance, 250V AC, 20A, Single Phase, 1 Stage, Quick Connect	MP007485
Power Line Filter, High Performance, 250V AC, 30A, Single Phase, 1 Stage, Stud Terminals	MP007486

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