

# Dual Stage Power Line Filters Chassis Mount

**multicomp** PRO

**RoHS  
Compliant**



Quick Connect Terminal



Stud Terminal

## Applications

- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- EV Application
- Various noisy application requiring high filter performance

## Features

- Dual-stage filters are designed for easy and fast chassis mounting.
- These are single phase terminals
- Very high differential and common-mode attenuation

## Specifications

Max. Continuous Operating Voltage : 250V AC, 50/60Hz  
 Operating Frequency : DC to 400Hz  
 Leakage Current @ 250V/50Hz : 0.74mA  
 Rated Currents : 1A to 20A @40°C  
 Temperature Range : -25°C to +100°C (operation and storage)

## Filter Selection Table

Part Number	Rated Current @40°C (25°C)	Leakage Current @ 250V / 50Hz	Inductance (L-L)	Capacitance (L-N)	Capacitance (L-G)	Resistance (L-N)	Connection Type			Weight (g)
	A	mA	ΣL mH	ΣCx μF	ΣCy nF	ΣR KΩ				
MP007493	3(3.45)	0.5	28	0.99	6.2	470	•	-	-	155
MP007494	6(6.9)	0.67	16	1.41	8.6	330	•	-	-	190
MP007497	16(18.4)	1.02	8	3	22	220	•	-	-	440
MP007499	20(23)	1.02	5.4	3	22	220	•	-	•	530
<b>Low Leakage Version</b>										
MP007496	10(11.5)	0.08	16	1.41	1.88	330	•	-	-	350

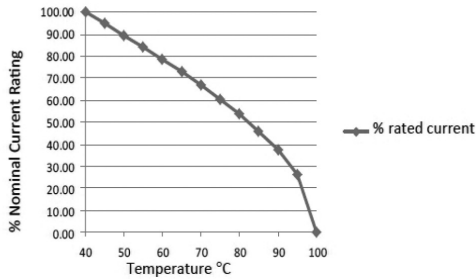
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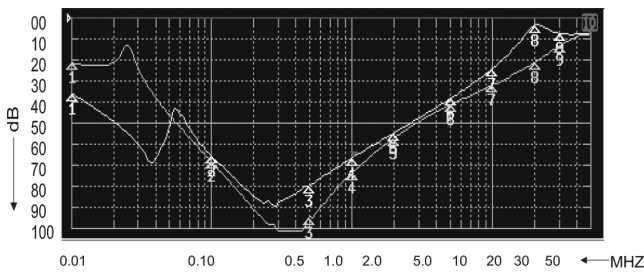
Temperature Derating Curve for EMC Filters Rated at 40°C Ambient and 100°C Max.



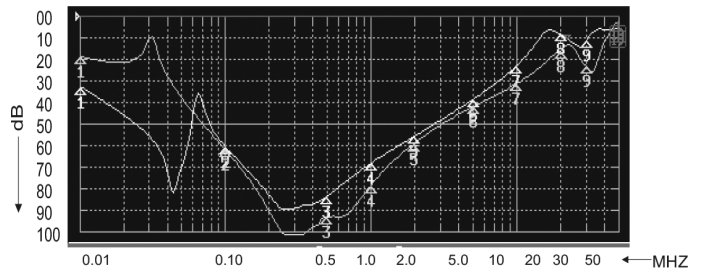
## Typical Insertion Loss, dB (50/50Ω)

Common mode - —  
Differential mode - —

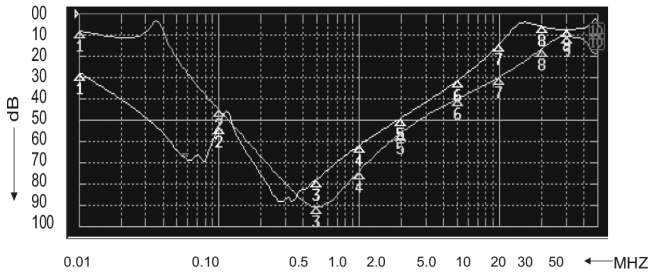
1 to 6 A



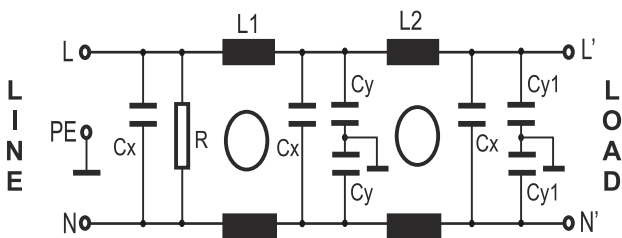
8 to 12 A



16 to 20 A



## Schematic Diagram



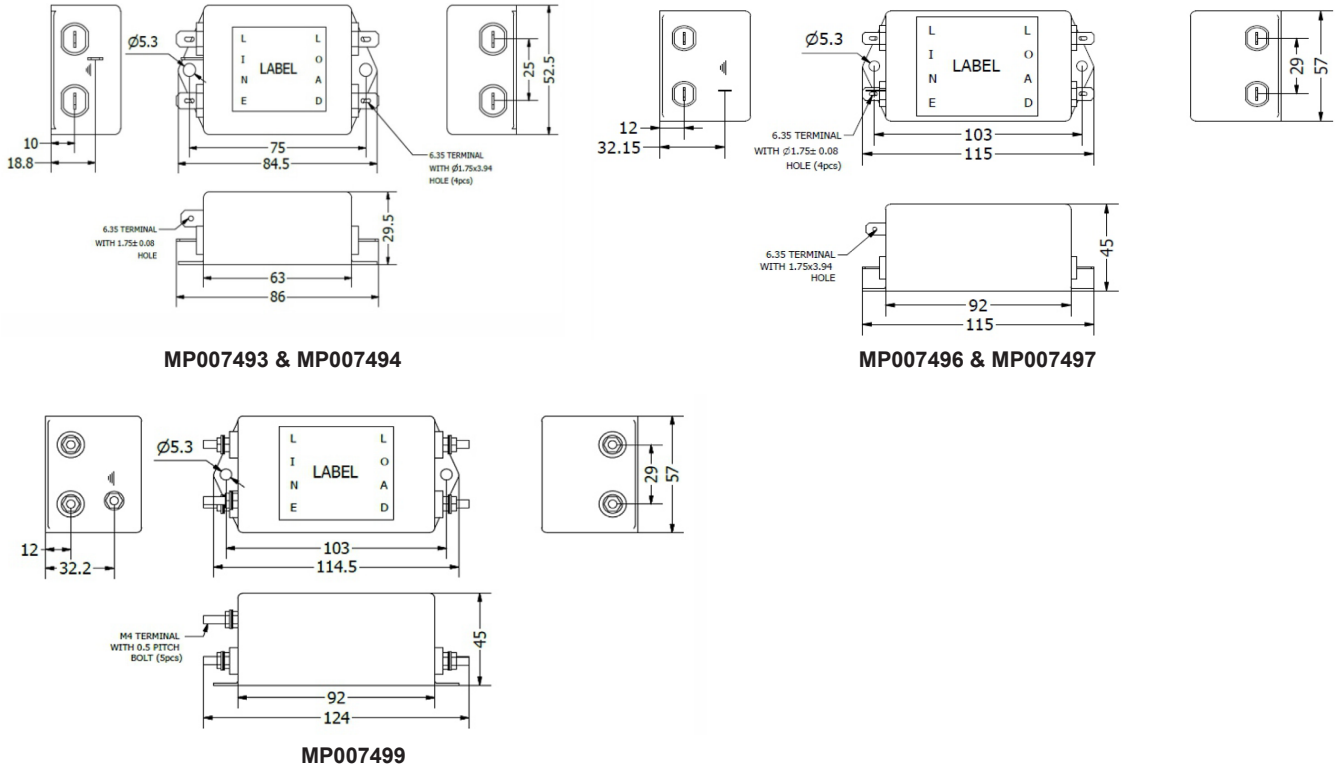
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## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Part Number
Power Line Filter, Very High Performance, 250V AC, 3A, Single Phase, 2 Stage, Quick Connect	MP007493
Power Line Filter, Very High Performance, 250V AC, 6A, Single Phase, 2 Stage, Quick Connect	MP007494
Power Line Filter, Very High Performance, 250V AC, 10A, Single Phase, 2 Stage, Chassis Mount	MP007496
Power Line Filter, Very High Performance, 250V AC, 16 A, Single Phase, 2 Stage, Quick Connect	MP007497
Power Line Filter, Very High Performance, 250V AC, 20 A, Single Phase, 2 Stage, Stud Terminals	MP007499

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