

# Single Stage Power Line Filters Chassis Mount

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**RoHS  
Compliant**



Quick Connect Terminal

## Applications

- Electrical and electronic equipment
- Consumer goods/Industrial Application
- Machinery and Building Automation
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment




## Features

- Single-stage filters are designed for easy and fast chassis mounting.
- These are single phase terminals
- High deferential mode performance

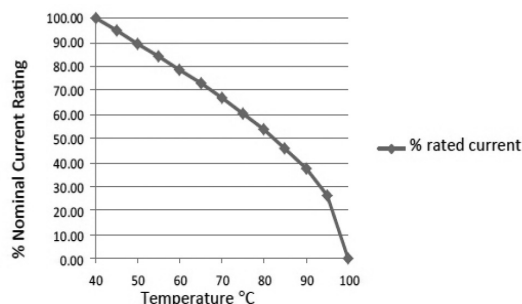
## Specifications

Max. Continuous Operating Voltage	: 250V AC, 50/60Hz
Operating Frequency	: DC to 400Hz
Leakage Current @ 250V/50Hz	: 0.66mA
Leakage Current @ 250V/50Hz	: 0.07mA (Low Leakage Version)
Rated Currents	: 6A 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)	Inductance (L-L)	Capacitance (L-N)	Capacitance (L-G)	Resistance (L-N)	Connection Type			Weight (g)
	A	$\Sigma L$ mH	$\Sigma Cx$ $\mu F$	$\Sigma Cy$ nF	$\Sigma R$ K $\Omega$				
MP007487	10(11.5)	1.6	0.94	9.4	470	•	-	-	210
MP007488	16(18.4)	1.3	0.66	9.4	1000	•	-	-	250

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



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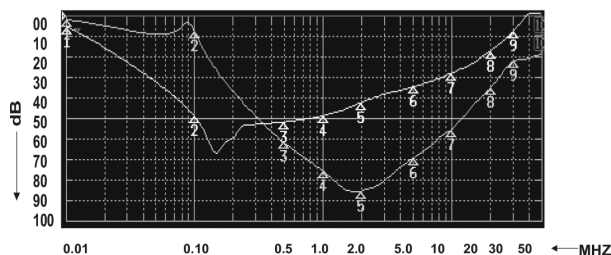
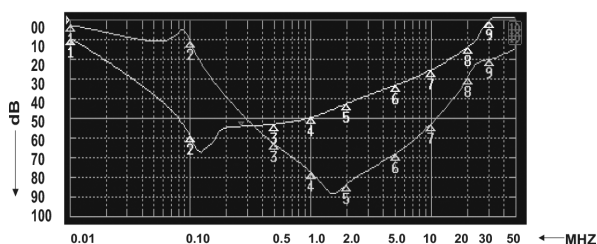
## Typical Insertion Loss, dB (50/50Ω)

Common mode - 

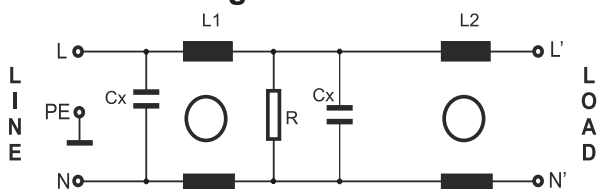
Differential mode - 

6 to 10 A

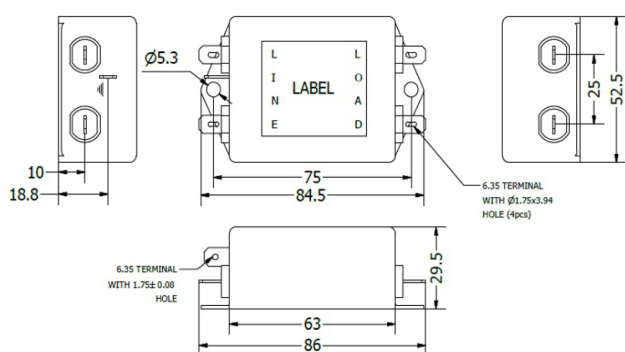
12 to 16 A



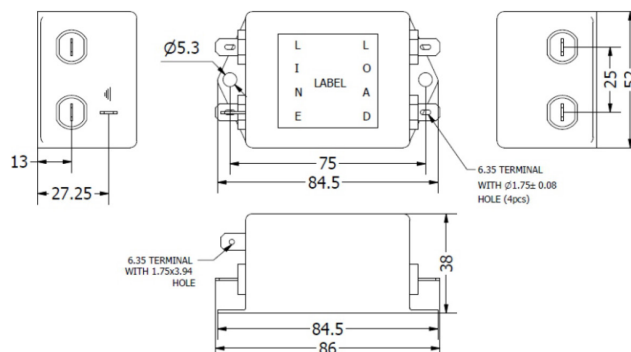
## Schematic Diagram



## Diagram



**MP007487**



**MP007488**

Dimensions : Millimetres

## Part Number Table

Description	Part Number
Power Line Filter, High Performance, 250V AC, 10 A, Single Phase, 2 Stage, Quick Connect	MP007487
Power Line Filter, High Performance, 250V AC, 16 A, Single Phase, 2 Stage, Quick Connect	MP007488

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