



- Low Leakage Various Versions
- Chassis or Din Rail Mount
- Safety Agency Approved
- High Pulse or Noise Attenuation Versions
- Easy Connection and Installation
- RoHS Compliant

## MC/MZ Series

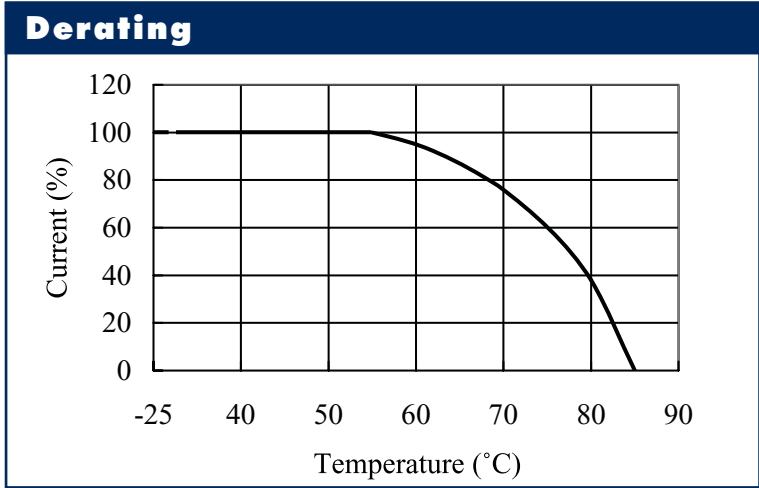
### 6A to 30A, 250VAC EMI Filters

#### Specifications

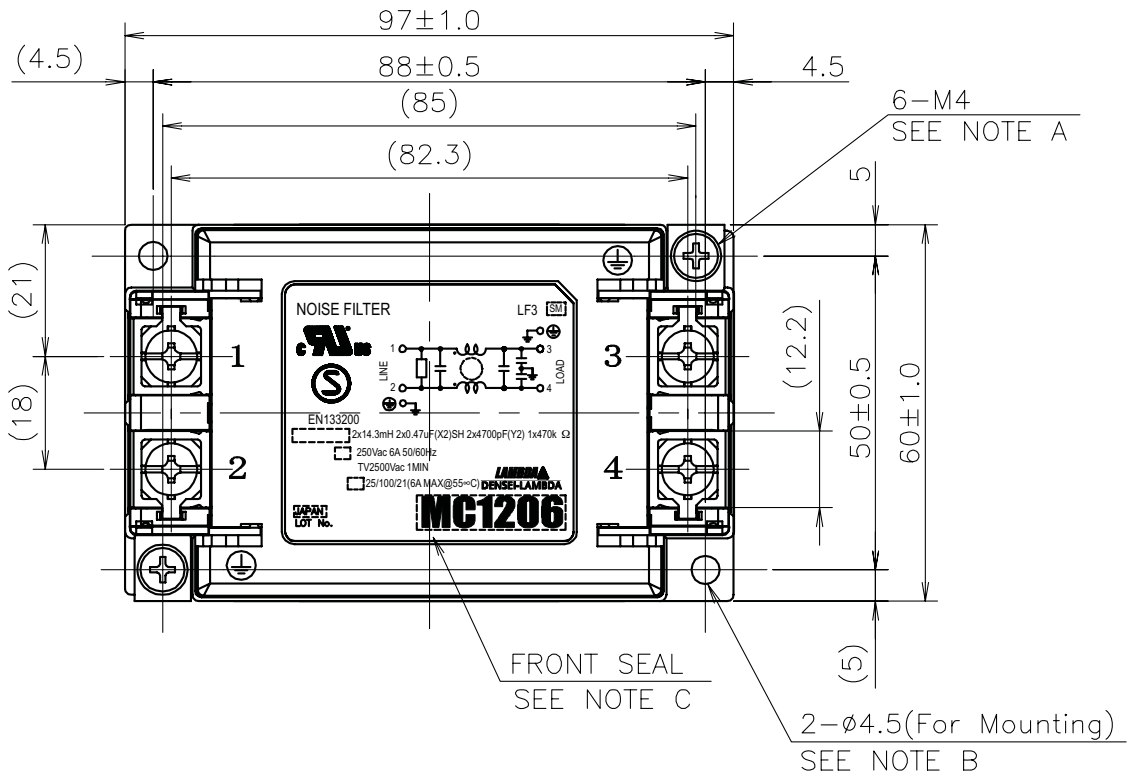
| ITEMS                      | MODELS | MC1206   | MC1210 | MC1216 | MC1220 | MC1230 |
|----------------------------|--------|--|--------|--------|--------|--------|
|                            |        | MZ1206   | MZ1210 | MZ1216 | MZ1220 | MZ1230 |
| Rated Current              |        | 6A   | 10A    | 16A    | 20A    | 30A    |
| Rated Voltage              | VAC    | 250  |        |        |        |        |
| Test Voltage (For 1 min.)  | V      | Terminals to Case: 2500VAC   |        |        |        |        |
| Isolation Resistance       | MΩ     | 100MΩ minimum (terminals to case, 500VDC)  |        |        |        |        |
| DC Resistance (both lines) | mΩ     | 130  | 50     | 24     | 15     | 7      |
| Temperature Rise           | °C     | 30   |        |        |        |        |
| Operating Temperature      | °C     | -25 to +85°C (see derating curve)  |        |        |        |        |
| Storage Temperature        | °C     | -40 to +85   |        |        |        |        |
| Operating Humidity         | -      | 30 to 95% RH (non condensing)  |        |        |        |        |
| Storage Humidity           | -      | 10 to 95% RH (non condensing)  |        |        |        |        |
| Vibration                  | -      | 10-55-10Hz sweep for 1 minute<br>Amplitude 1.5mm constant (max 88.3m/s <sup>2</sup> , X, Y, Z 2 hours each standard & L versions, 9.8m/s <sup>2</sup> constant X, Y, Z 1 hour each DIN rail mounted) |        |        |        |        |
| Safety Standards           | -      | Approved by UL1283, CSA Std C22.2 No.8 (CUL), EN133200 (SEMKO)   |        |        |        |        |
| Weight (Typ)               | g      | 300  |        |        |        |        |
| Warranty                   | yr     | 1 Year   |        |        |        |        |

For our full range of EMI Filters visit  
[www.lambda-europe.com/filters](http://www.lambda-europe.com/filters)

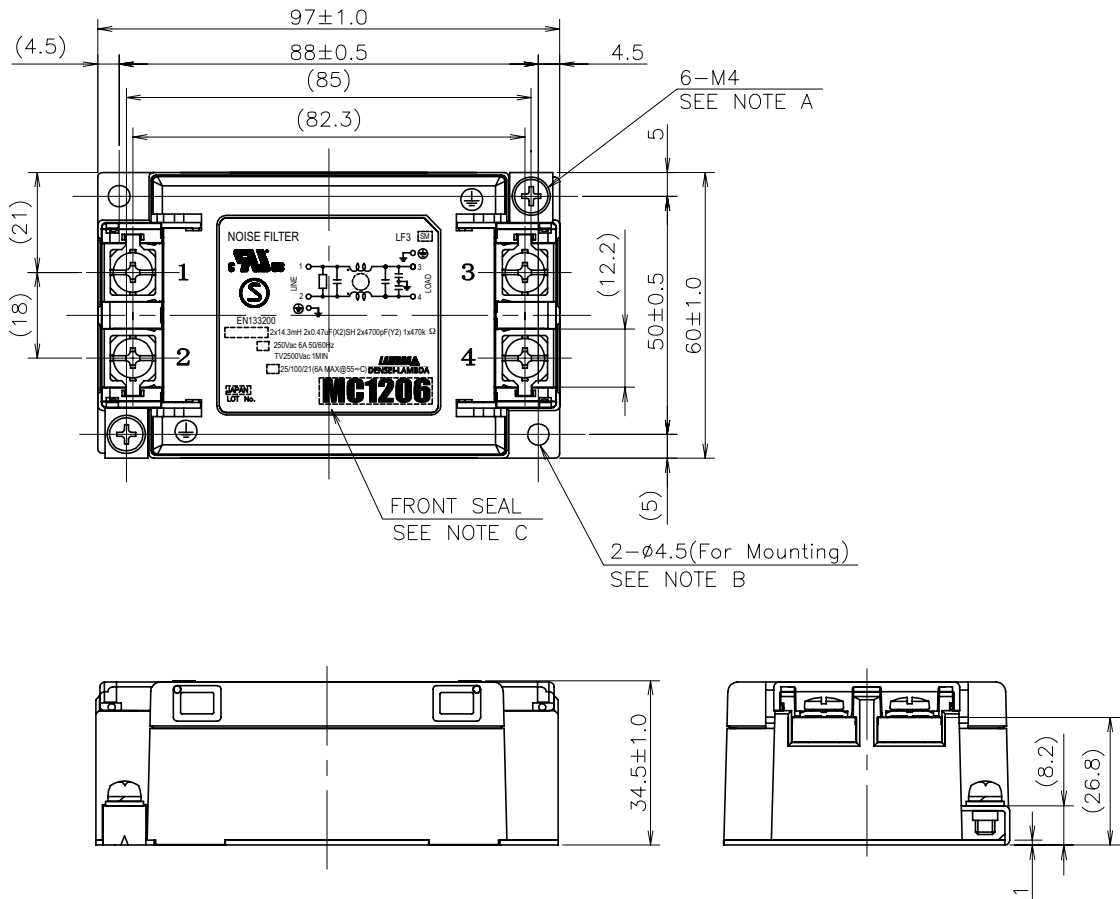
| <b>Model Selector</b> |                       |                                      |                                   |                 |
|-----------------------|-----------------------|--------------------------------------|-----------------------------------|-----------------|
| <b>Model</b>          | <b>Current Rating</b> | <b>Leakage Current (250VAC 60Hz)</b> | <b>Characteristic</b>             | <b>Mounting</b> |
| MC1206                | 6A                    | 1mA                                  | High Attenuation in low frequency | Chassis         |
| MC1206DIN             | 6A                    | 1mA                                  | High Attenuation in low frequency | DIN Rail        |
| MC1206L               | 6A                    | 0.01mA                               | High Attenuation in low frequency | Chassis         |
| MZ1206                | 6A                    | 1mA                                  | High Pulse Attenuation            | Chassis         |
| MZ1206DIN             | 6A                    | 1mA                                  | High Pulse Attenuation            | DIN Rail        |
| MZ1206L               | 6A                    | 0.01mA                               | High Pulse Attenuation            | Chassis         |
| MC1210                | 10A                   | 1mA                                  | High Attenuation in low frequency | Chassis         |
| MC1210DIN             | 10A                   | 1mA                                  | High Attenuation in low frequency | DIN Rail        |
| MC1210L               | 10A                   | 0.01mA                               | High Attenuation in low frequency | Chassis         |
| MZ1210                | 10A                   | 1mA                                  | High Pulse Attenuation            | Chassis         |
| MZ1210DIN             | 10A                   | 1mA                                  | High Pulse Attenuation            | DIN Rail        |
| MZ1210L               | 10A                   | 0.01mA                               | High Pulse Attenuation            | Chassis         |
| MC1216                | 16A                   | 1mA                                  | High Attenuation in low frequency | Chassis         |
| MC1216DIN             | 16A                   | 1mA                                  | High Attenuation in low frequency | DIN Rail        |
| MC1216L               | 16A                   | 0.01mA                               | High Attenuation in low frequency | Chassis         |
| MZ1216                | 16A                   | 1mA                                  | High Pulse Attenuation            | Chassis         |
| MZ1216DIN             | 16A                   | 1mA                                  | High Pulse Attenuation            | DIN Rail        |
| MZ1216L               | 16A                   | 0.01mA                               | High Pulse Attenuation            | Chassis         |
| MC1220                | 20A                   | 1mA                                  | High Attenuation in low frequency | Chassis         |
| MC1220DIN             | 20A                   | 1mA                                  | High Attenuation in low frequency | DIN Rail        |
| MC1220L               | 20A                   | 0.01mA                               | High Attenuation in low frequency | Chassis         |
| MZ1220                | 20A                   | 1mA                                  | High Pulse Attenuation            | Chassis         |
| MZ1220DIN             | 20A                   | 1mA                                  | High Pulse Attenuation            | DIN Rail        |
| MZ1220L               | 20A                   | 0.01mA                               | High Pulse Attenuation            | Chassis         |
| MC1230                | 30A                   | 1mA                                  | High Attenuation in low frequency | Chassis         |
| MC1230DIN             | 30A                   | 1mA                                  | High Attenuation in low frequency | DIN Rail        |
| MC1230L               | 30A                   | 0.01mA                               | High Attenuation in low frequency | Chassis         |
| MZ1230                | 30A                   | 1mA                                  | High Pulse Attenuation            | Chassis         |
| MZ1230DIN             | 30A                   | 1mA                                  | High Pulse Attenuation            | DIN Rail        |
| MZ1230L               | 30A                   | 0.01mA                               | High Pulse Attenuation            | Chassis         |



**MC/MZ12 Outline Drawing**



**MC/MZ12 DIN Outline Drawing**



## LAMBDA EUROPE

### AUSTRIA

LAMBDA ELECTRONICS GmbH  
Aredstraße 22  
A-2544 Leobersdorf

Telephone: +43 (0) 2256 655 84  
Facsimile: +43 (0) 2256 645 12  
www.lambda-austria.com

### FRANCE

LAMBDA SAS  
ZAC des Delaches, BP1077 - Gometz le Chatel  
91940 Les Ulis

Telephone: +33 (0) 1 60 12 71 65  
Facsimile: +33 (0) 1 60 12 71 66  
Web: www.lambda-f.com

### GERMANY

LAMBDA GmbH  
Karl-Bold-Straße 40  
D-77855 Achern

Telephone: +49 (0) 78 41 666 0  
Facsimile: +49 (0) 78 41 5000  
Web: www.lambda-germany.com

### ISRAEL

NEMIC LAMBDA LTD  
Kibbutz Givat  
Hashlosha 48800

Telephone: +972 (0) 3 902 4333  
Facsimile: +972 (0) 3 902 4777  
Web: www.nemic.co.il

### ITALY

LAMBDA s.r.l.  
Via dei Laboratori 128/130,  
20092, Cinisello Balsamo (Mi)

Telephone: +39 (0) 02 61 29 38 63  
Facsimile: +39 (0) 02 61 29 09 00  
Web: www.lambda-italy.com

### SWEDEN

LAMBDA SCANDINAVIA  
PO Box 546, Rallarvägen 41  
SE-184 25. Akersberga

Telephone: +46 (0) 8 598 94 090  
Facsimile: +46 (0) 8 540 66 096  
Web: www.lambda-scandinavia.com

### UK

LAMBDA UK  
Kingsley Avenue  
Ilfracombe Devon EX34 8ES

Telephone: +44 (0) 1271 856666  
Facsimile: +44 (0) 1271 864894  
Web: www.lambda-gb.com

## LAMBDA NORTH AMERICA

visit [www.lambdapower.com](http://www.lambdapower.com) for a list of Lambda offices and distributors

## LAMBDA ASIA

visit [www.densei-lambda.com](http://www.densei-lambda.com) for a list of Lambda offices and distributors

## LOCAL DISTRIBUTION

