



Features

- (1) 2 mounting options :
 MC13** Screw mounting type
 MC13**DIN Din rail mounting type
- (2) Worldwide compliance :
 Voltage rating 3 phase AC500V, 10, 20, 30A
- (3) Safe design :
 Terminal with cover, Low leakage current
- (4) Environmental compliance : Lead free soldering

Safety standard

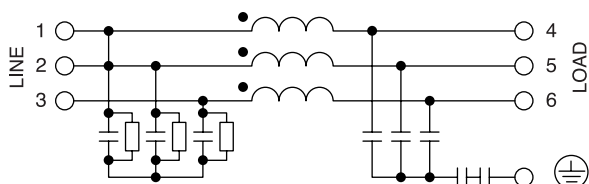
- UL1283
- CSA Std. C22. 2 No. 8
- EN133200

Specifications

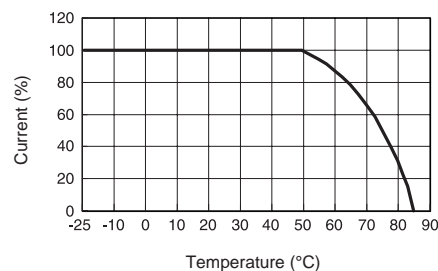
| Items | Model | | MC1306 | MC1310 | MC1320 | MC1330 |
|-------|--|-----------|---|-----------|-----------|-----------|
| | STD type | DIN type | MC1306DIN | MC1310DIN | MC1320DIN | MC1330DIN |
| 1 | Rated Voltage (AC) | | 500V (50/60Hz) | | | |
| 2 | Rated Current (*1) | | 6A | 10A | 20A | 30A |
| 3 | Test Voltage (terminals to base plate, 1min AC) | | 2000V (100mA) at 25°C, 70% RH | | | |
| 4 | Isolation Resistance (terminals to base plate, 500VDC) | | 100M min at 25°C, 70% RH | | | |
| 5 | Leakage Current | 500V,60Hz | 5.0mA max | | | |
| 6 | DC Resistance (three lines) | | 90m max | 68m max | 23m max | 11m max |
| 7 | Temperature Rise | | 30°C max | | | |
| 8 | Operating Temperature | | -25°C ~ +85°C | | | |
| 9 | Operating Humidity | | 30% ~ 95% RH (No Dewdrop) | | | |
| 10 | Storage Temperature | | -40°C ~ +85°C | | | |
| 11 | Storage Humidity | | 10% ~ 95% RH (No Dewdrop) | | | |
| 12 | Vibration | MC13** | At no operating 10~55-10Hz, Amplitude (Sweep for 1min) 0.825mm constant (Maximum 49.0m/s ²)X,Y,Z 1hour each At no operating 55~250~55Hz, Acceleration (Sweep for 1min) 19.6m/s ² , X,Y,Z 1hour each | | | |
| | | MC13**DIN | At no operating 10~55-10Hz, Acceleration (Sweep for 1min) 9.8m/s ² , X,Y,Z 1hour each | | | |
| 13 | Weight | | 600g | | | |

(Note) : Value for Ta≤50°C For Ta>50°C derate according to the derating curve shown on the right.

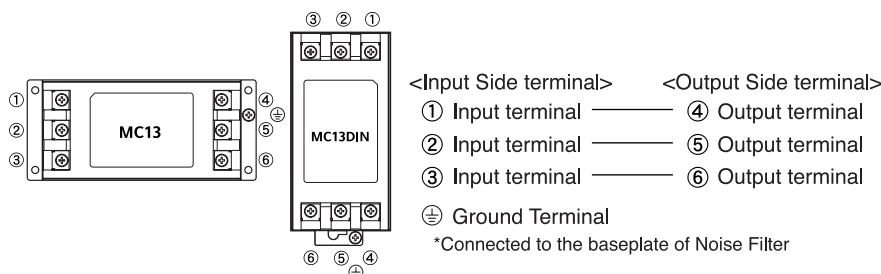
Circuit



Derating



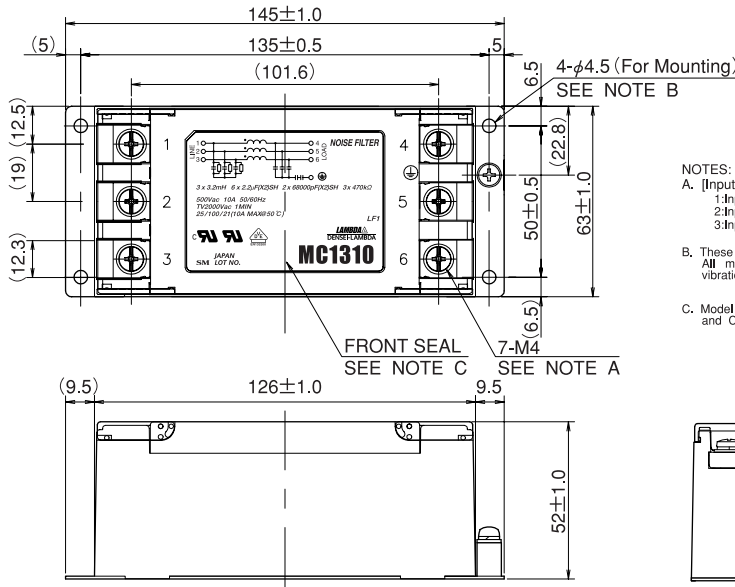
Terminal Explanation



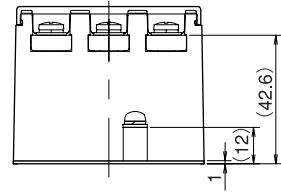
- Request customer specification for further details of specifications, outline, characteristics, etc.
Read the instruction manual before usage.
- Contact us about delivery before ordering.

MC13-SERIES

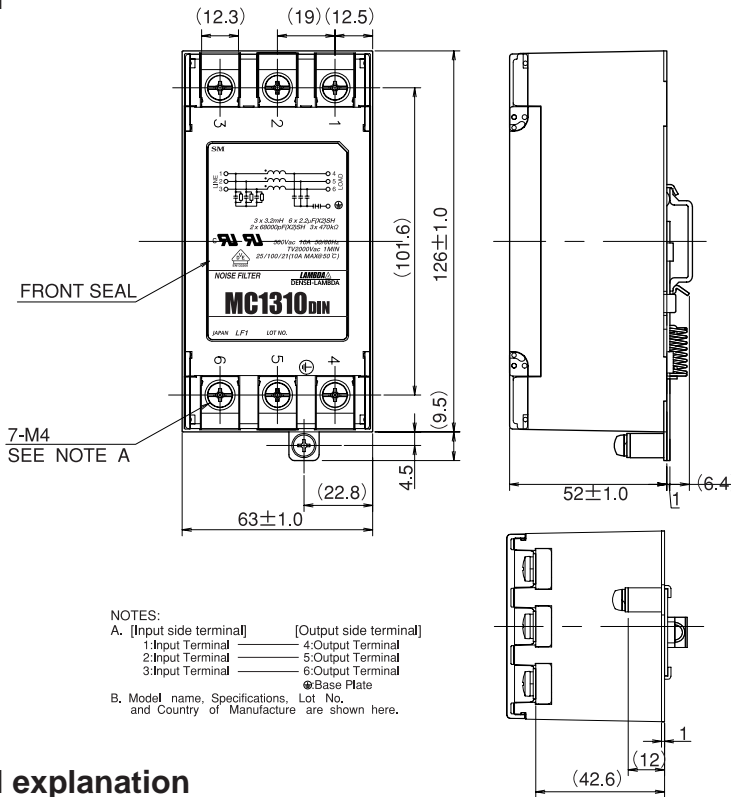
MC13**



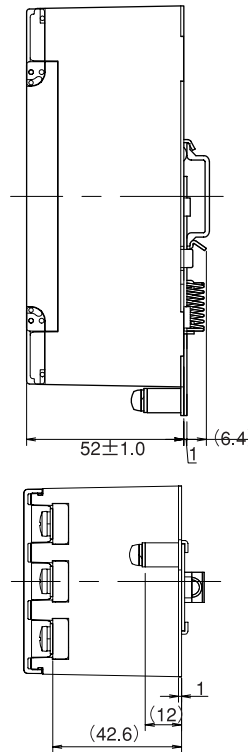
- NOTES:
- A. [Input side terminal] [Output side terminal]
 1:Input Terminal ——— 4:Output Terminal
 2:Input Terminal ——— 5:Output Terminal
 3:Input Terminal ——— 6:Output Terminal
 ●:Base Plate
- B. These are for customer's chassis mounting. All must be screwed in order to conform the vibration spec.
- C. Model name, Specifications, Lot No. and Country of Manufacture are shown here.



MC13**DIN



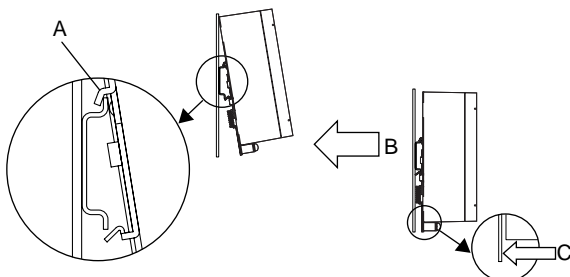
- NOTES:
- A. [Input side terminal] [Output side terminal]
 1:Input Terminal ——— 4:Output Terminal
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 ●:Base Plate
- B. Model name, Specifications, Lot No. and Country of Manufacture are shown here.



MC13**DIN explanation

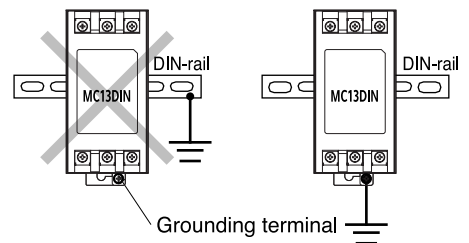
*Mounting

MC13**DIN could be mounted on 35mm wide (TS35 type) Din-rail. For mounting, put the part (A) of the unit over the top hat rail and push forward like (B), so that the rail stopper is firmly held on the Din-rail. For unmounting, put a screw driver into the part (C) and lift it up to remove the unit.



*Ground

Do not earth whth Din-rail. Earth directly from the ground terminal of MC13**DIN.

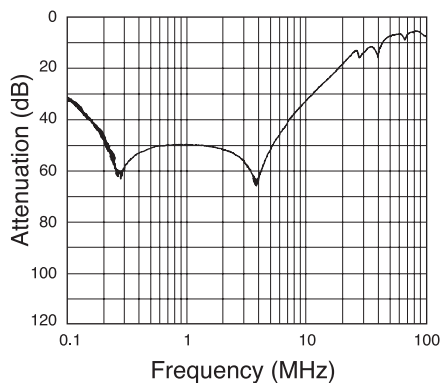


CHARACTERISTICS

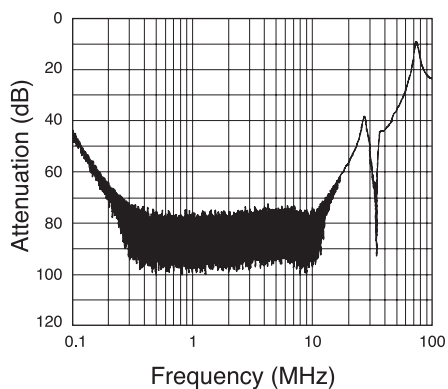
■ Attenuation Characteristic (typical)

MC1306

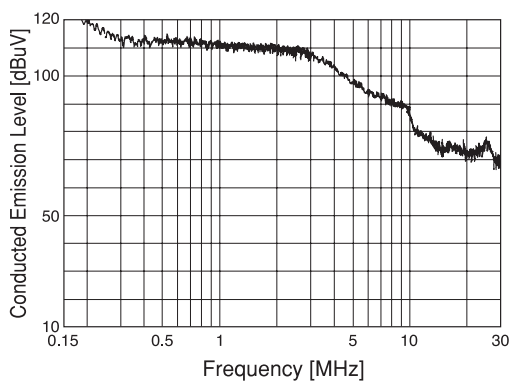
- Asymmetrical



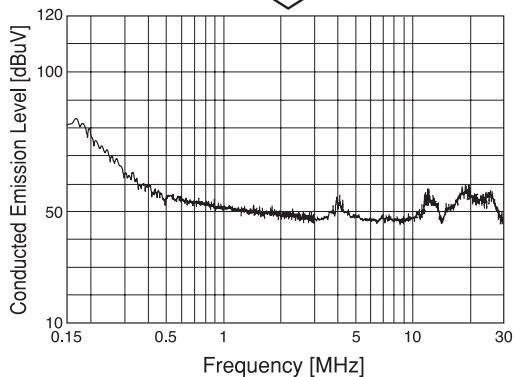
- Symmetrical



- Attenuation characteristics
Reference Data (Inverter + Motor)

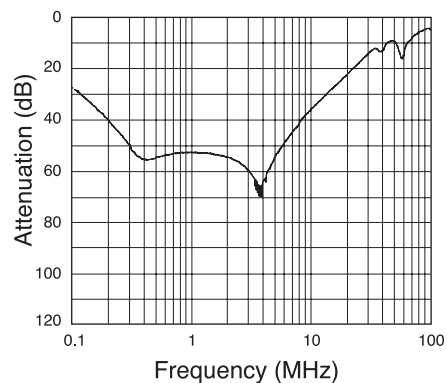


add MC1320

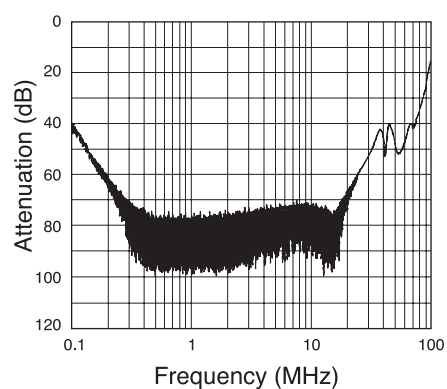


MC1310

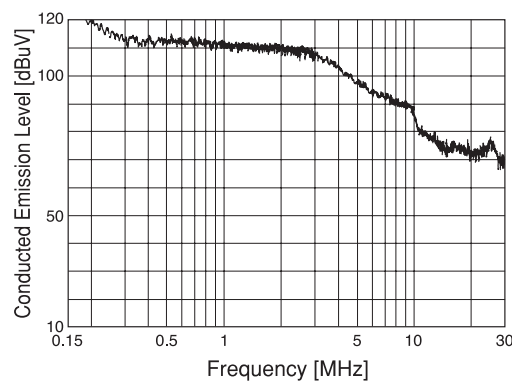
- Asymmetrical



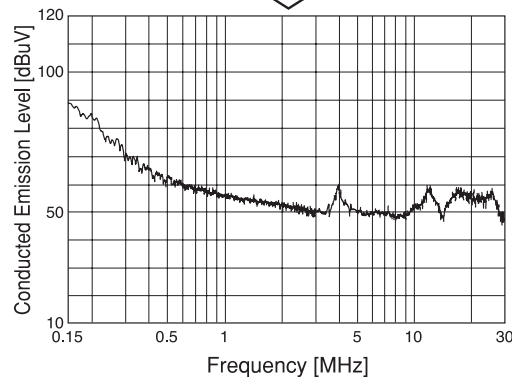
- Symmetrical



- Attenuation characteristics
Reference Data (Inverter + Motor)



add MC1330



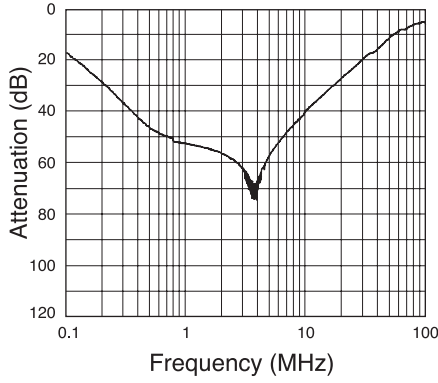
MC13-SERIES

CHARACTERISTICS

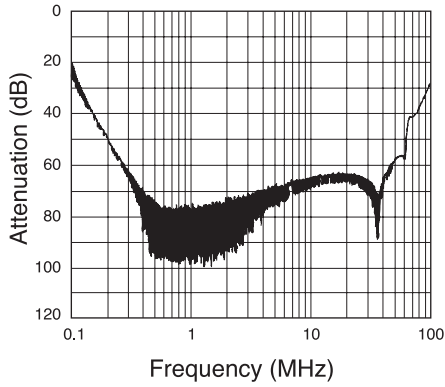
■ Attenuation Characteristic (typical)

MC1320

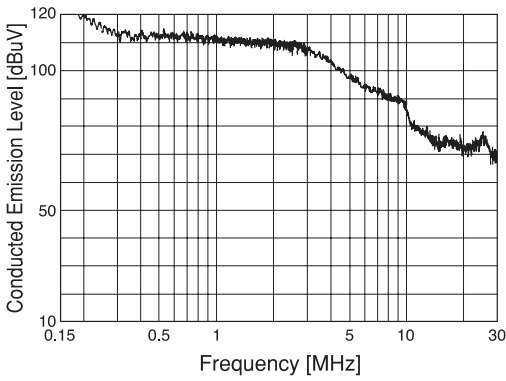
● Asymmetrical



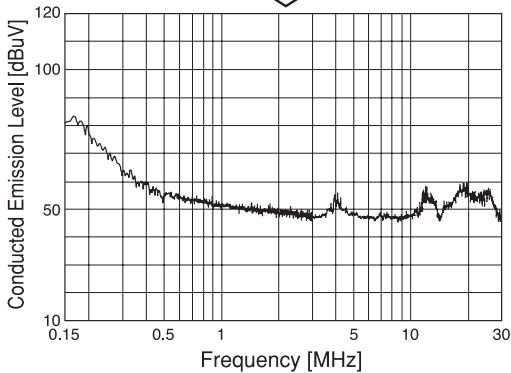
● Symmetrical



● Attenuation characteristics
Reference Data (Inverter + Motor)

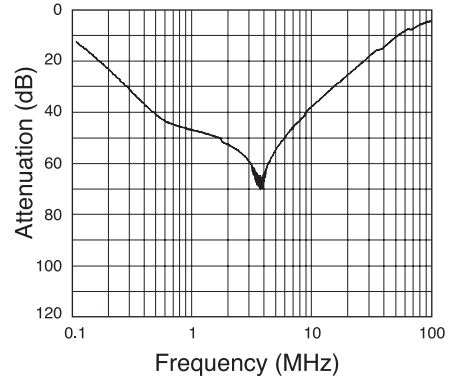


add MC1306

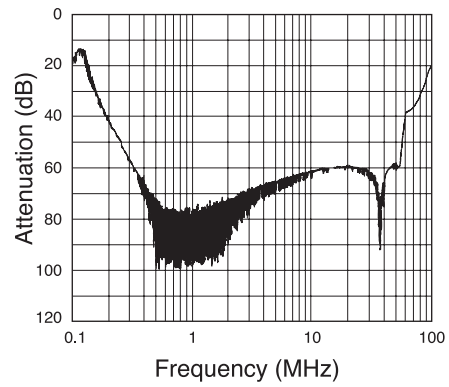


MC1330

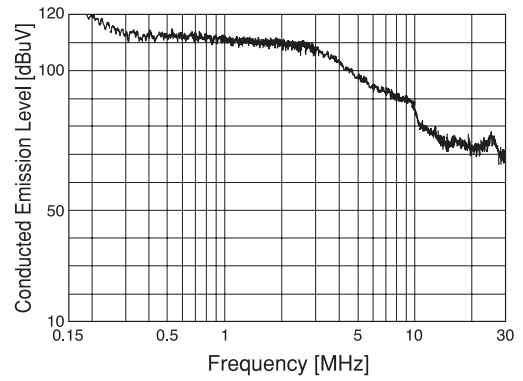
● Asymmetrical



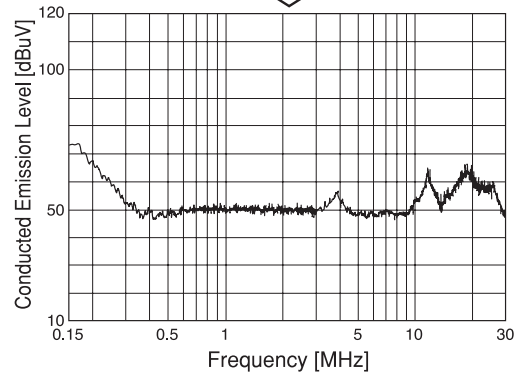
● Symmetrical



● Attenuation characteristics
Reference Data (Inverter + Motor)



add MC1310



EMI Noise filter