MC13-SERIES

LAMBDA
DENSEI-LAMBDA

■ 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

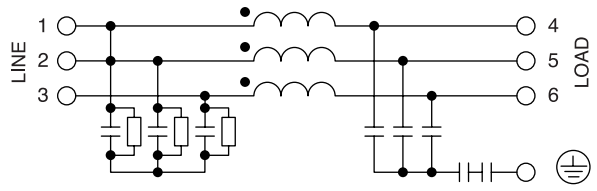
UL1283
CSA Std. C22. 2 No. 8
EN133200

■ Specifications

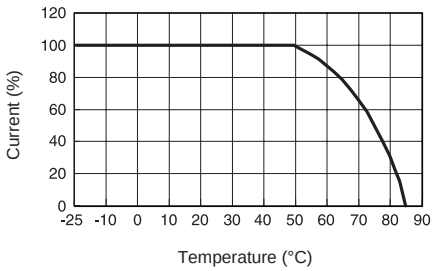
Items \ Model	STD type / DIN type	MC1306 / MC1306DIN	MC1310 / MC1310DIN	MC1320 / MC1320DIN	MC1330 / MC1330DIN
1 Rated Voltage (AC)		500V (50/60Hz)			
2 Rated Current (*1)		6A	10A	20A	30A
3 Test Voltage (terminals to base plate, 1min AC)		2000V (100mA) at 25°C, 70% RH			
4 Isolation Resistance (terminals to base plate, 500VDC)		100MΩ min at 25°C, 70% RH			
5 Leakage Current	500V,60Hz	5.0mA max			
6 DC Resistance (three lines)		90mΩ max	68mΩ max	23mΩ max	11mΩ 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/s²)X,Y,Z 1hour each At no operating 55~250~55Hz, Acceleration (Sweep for 1min) 19.6m/s², X,Y,Z 1hour each			
	MC13**DIN	At no operating 10~55~10Hz, Acceleration (Sweep for 1min) 9.8m/s², 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.

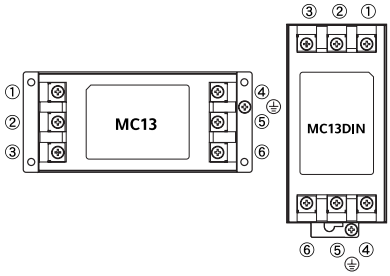
■ Circuit



■ Derating



■ Terminal Explanation



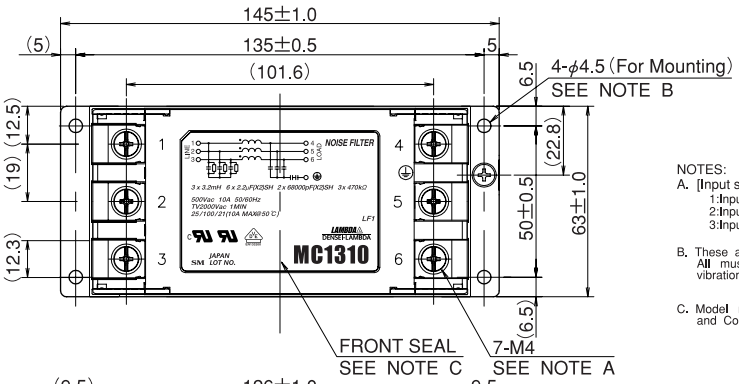
<Input Side terminal> <Output Side terminal>
① Input terminal —— ④ Output terminal
② Input terminal —— ⑤ Output terminal
③ Input terminal —— ⑥ Output terminal

⏚ Ground Terminal
*Connected to the baseplate of Noise Filter

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

EMI Noise filter

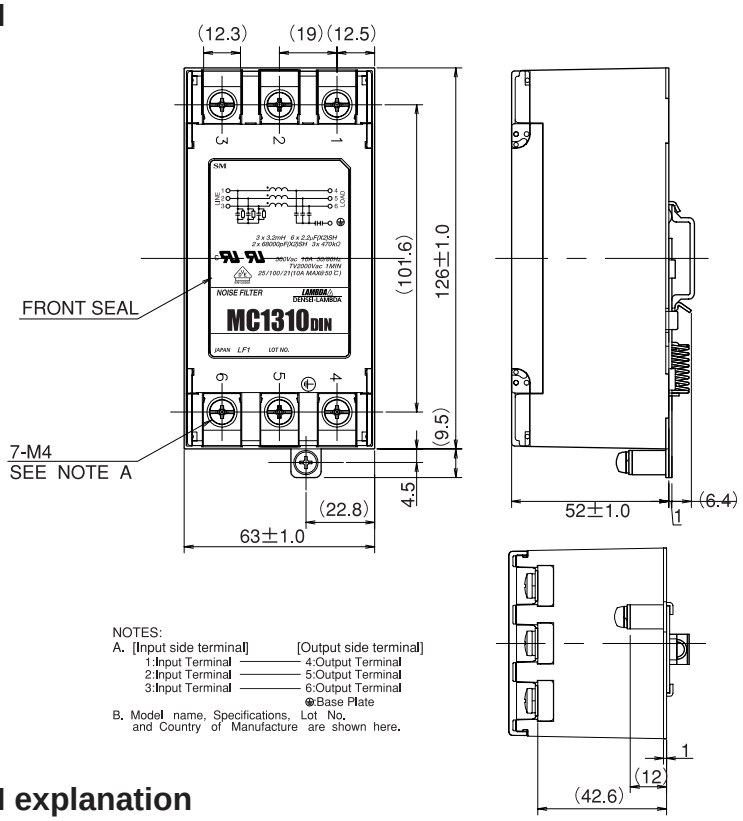
■ MC13**



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.

(Unit: mm)

■ MC13**DIN



NOTES:
A. [Input side terminal] [Output side terminal]
1:Input Terminal ——— 4:Output Terminal
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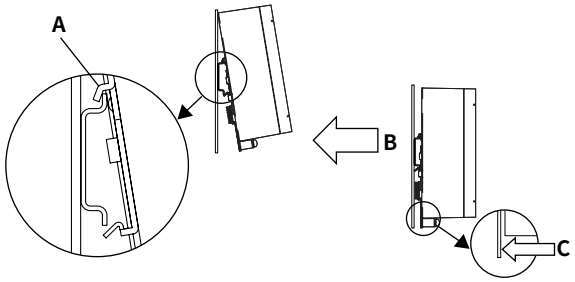
3:Input Terminal ——— 6:Output Terminal
⏚:Base Plate
B. Model name, Specifications, Lot No. and Country of Manufacture are shown here.

(Unit: mm)

■ MC13**DIN explanation

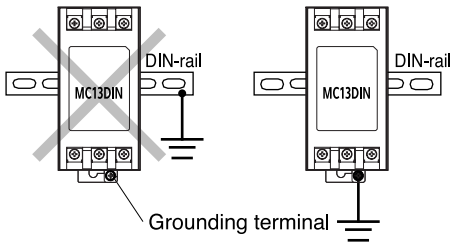
*Mounting

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 int 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.

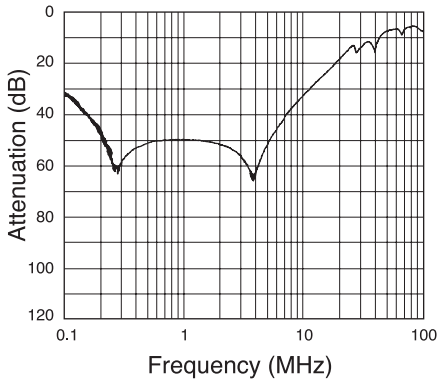


CHARACTERISTICS

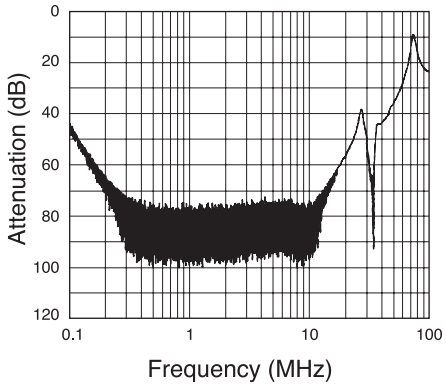
■ Attenuation Characteristic (typical)

MC1306

● Asymmetrical

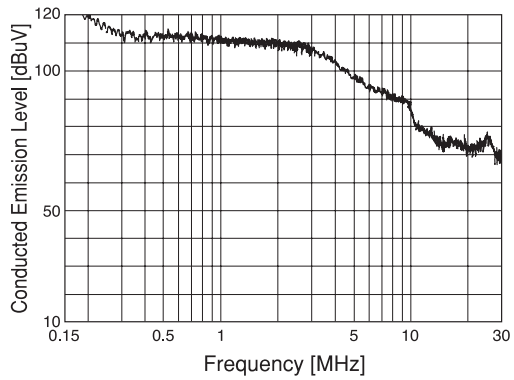


● Symmetrical

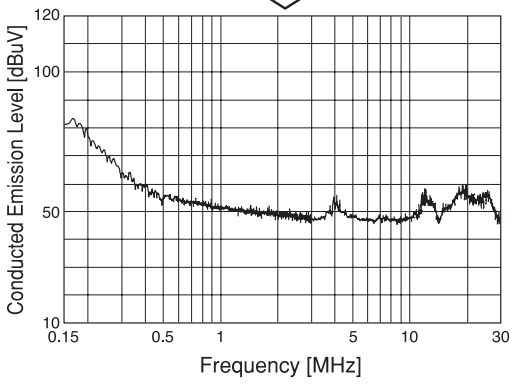


● Attenuation characteristics

Reference Data (Inverter + Motor)

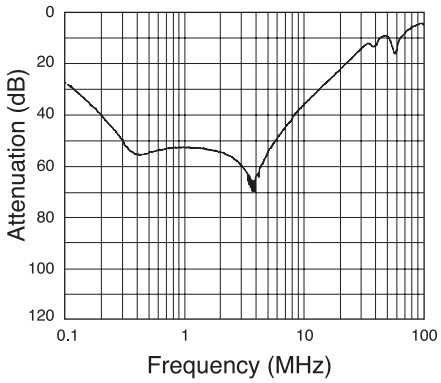


add MC1320

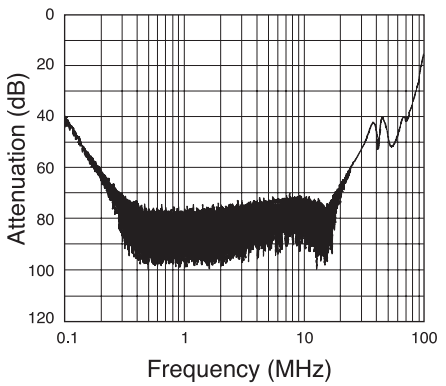


MC1310

● Asymmetrical

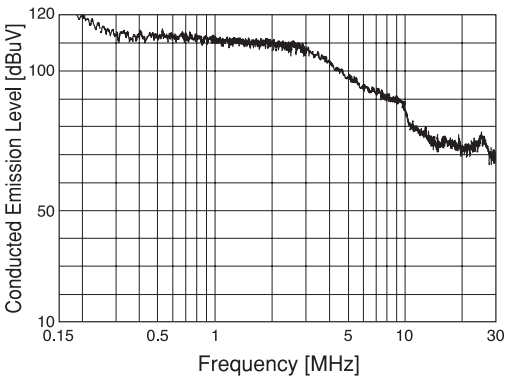


● Symmetrical

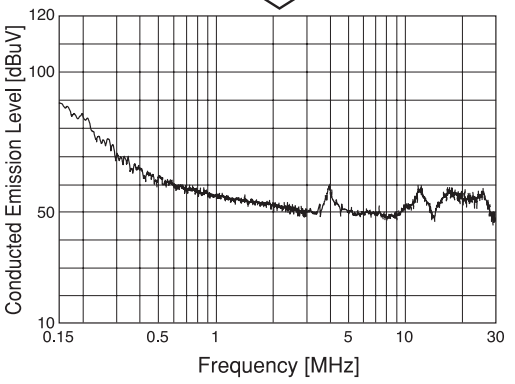


● Attenuation characteristics

Reference Data (Inverter + Motor)



add MC1330

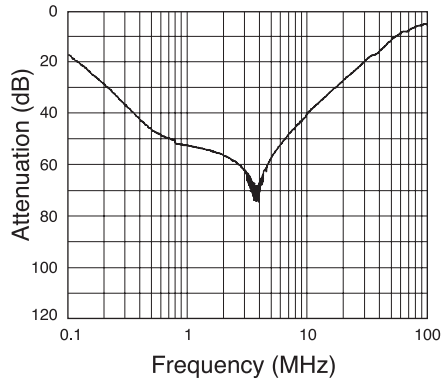


CHARACTERISTICS

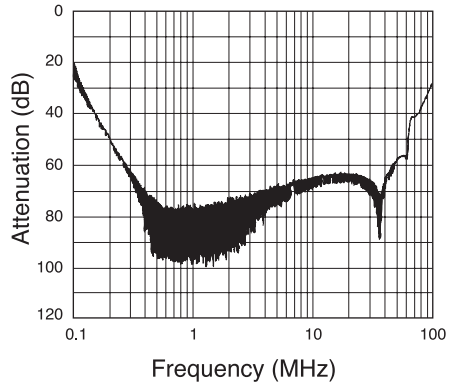
■ Attenuation Characteristic (typical)

MC1320

● Asymmetrical

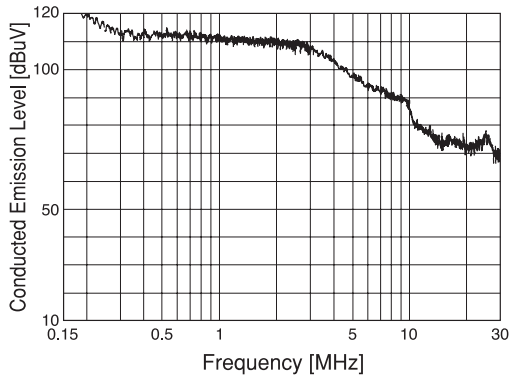


● Symmetrical

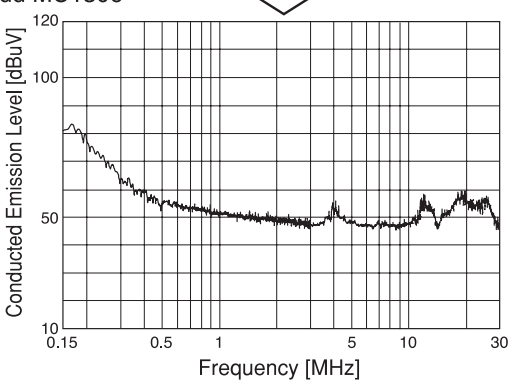


● Attenuation characteristics

Reference Data (Inverter + Motor)

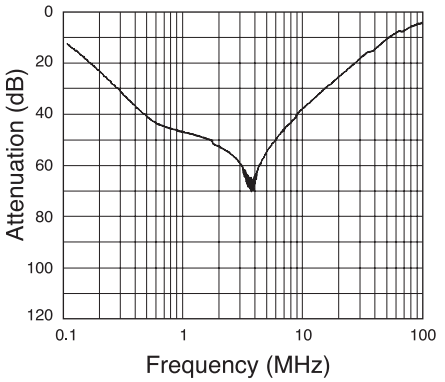


add MC1306

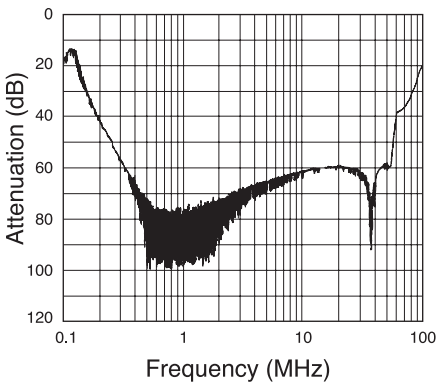


MC1330

● Asymmetrical

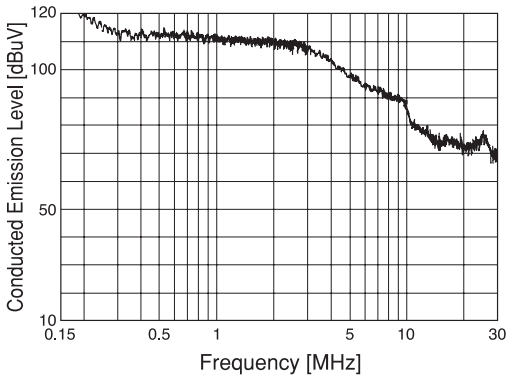
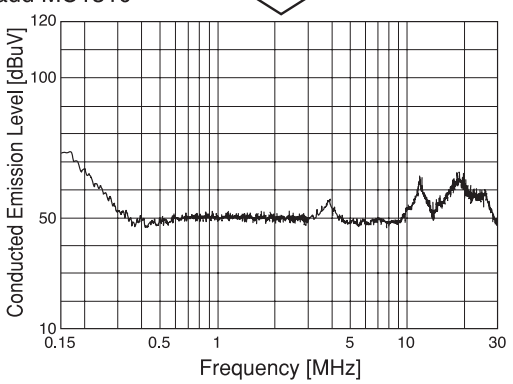


● Symmetrical



● Attenuation characteristics

Reference Data (Inverter + Motor)



add MC1310