

MX13-SERIES

3 Phase Noise filter for FA Servo System



■ Features

- (1) Suitable for mounting in the control panel:
Height and depth meets the industry standard.
- (2) Easy installation and easy maintenance:
Centralized terminals in front surface.
- (3) Applicable to NC Servo noise and AC Servo noise:
High attenuation by 40dB at 150kHz. level.
- (4) Enriched lineups: 3 types (30A, 50A, 100, 150A) selectable.
- (5) Patent and design registration pending.

■ Safety standard

- UL1283 applied / approval in process
- CSA C22.2 No.8 applied / approval in process
- EN133200 applied / approval in process

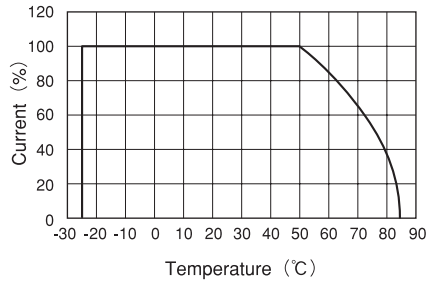
*Completion projected in August,2001

■ Specifications

Item	Model	MX13030	MX13050	MX13100	MX13150
1	Rated voltage	3 Phase AC250V			
2	Rated current	30A	50A	100A	150A
3	Test voltage	Terminal - Case: AC2500V, 1min.			
4	Isolation resistance	Terminal - Case: DC500V, 100Mohm			
5	Leak current	AC250,60Hz : 3.5mA max.		8mA max.	
6	Attenuation	150kHz : 40dB			
7	Operating ambient temperature	-25 ~ +85°(derating required depending on the atmosphere temperature)			
8	Safety standards	Conforms to UL1283, CSA_C22.2No.8, EN133200 (to be applied for)			
9	Dimensions (W x H x D)	70mm x 380mm x 200mm	85mm x 380mm x 200mm	130mm x 380mm x 200mm	165mm x 380mm x 200mm

●100A type projected as a new lineup

■ Derating

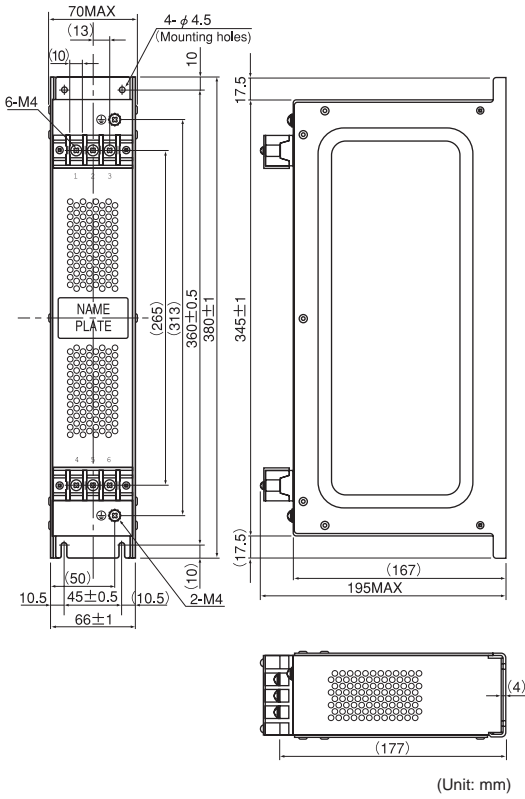


NOTE
*1 Value for Ta ≥ 50°C
For Ta ≥ 50°C, derate according to the derating curve shown on the right

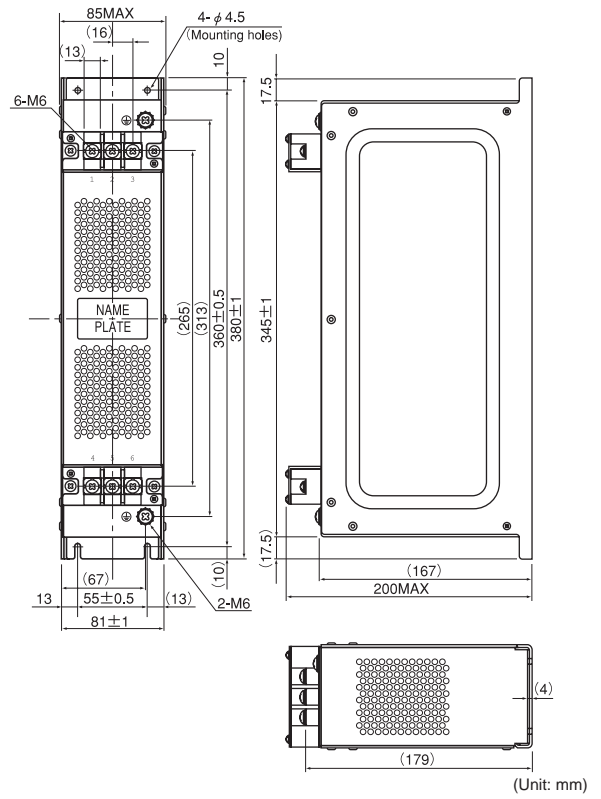
Noise Filter

MX13-SERIES

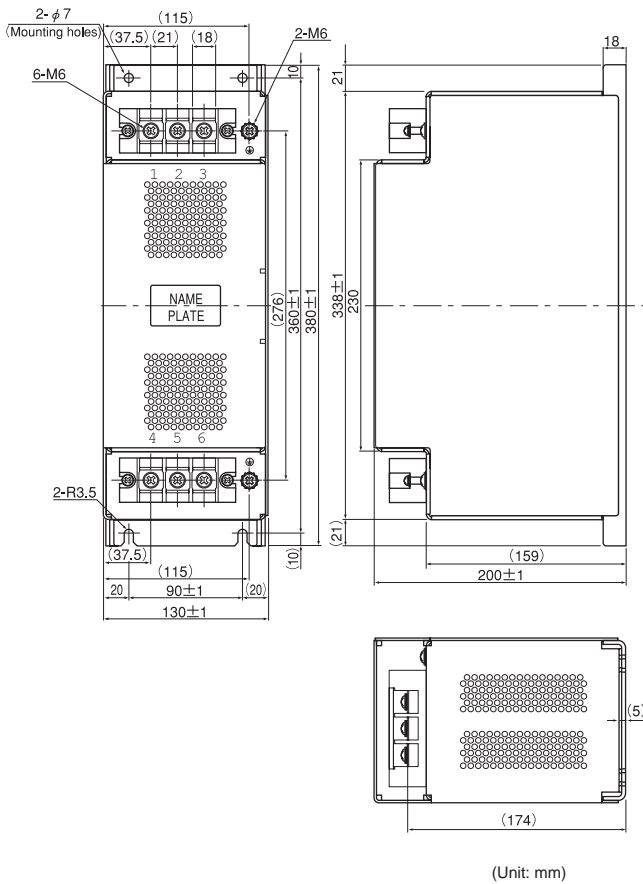
MX13030



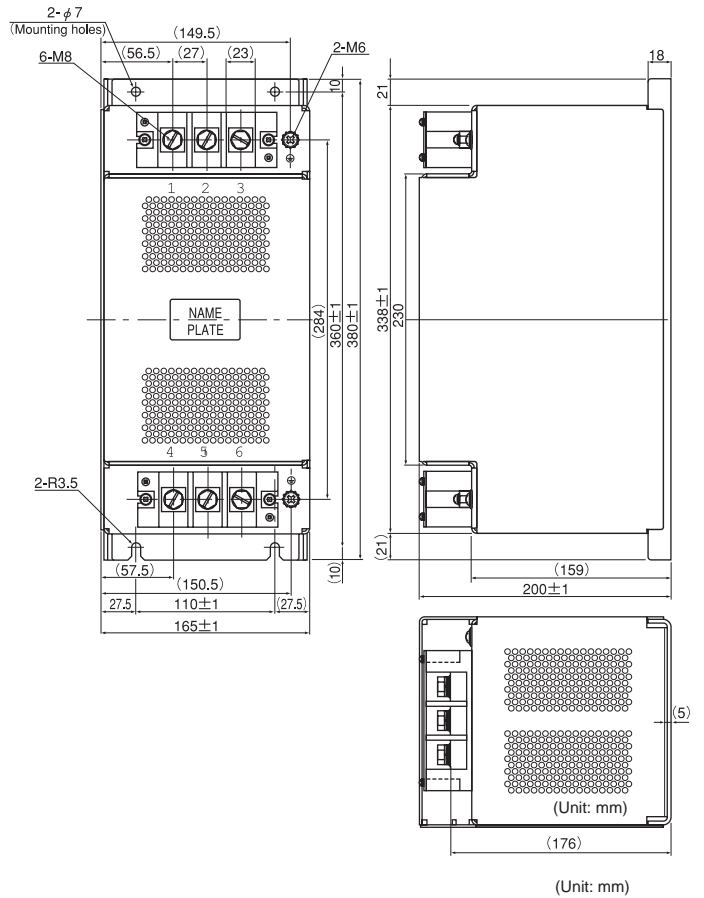
MX13050



MX13100



MX13150

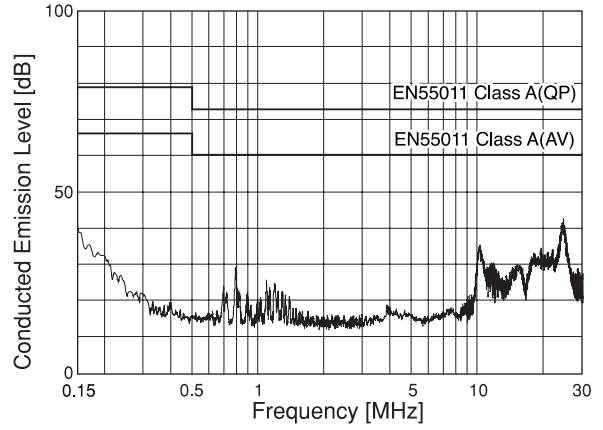


Noise Filter

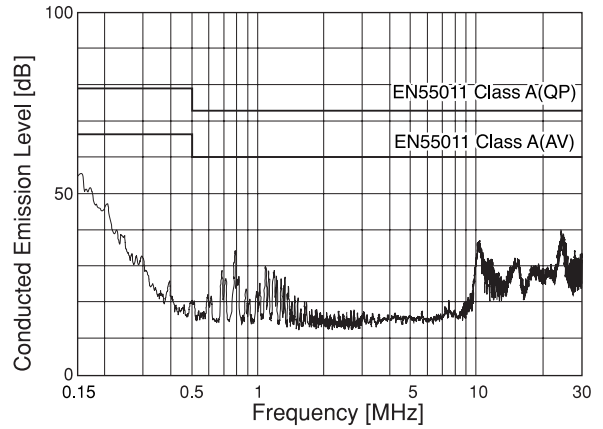
CHARACTERISTICS

■ Conduction Emission ■ Characteristics

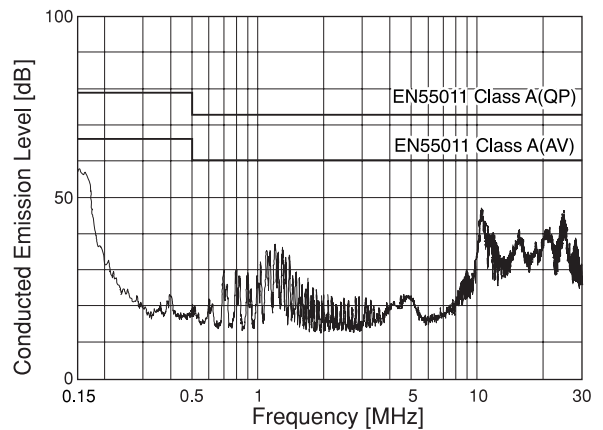
● Machine with Servo Driver + MX13030



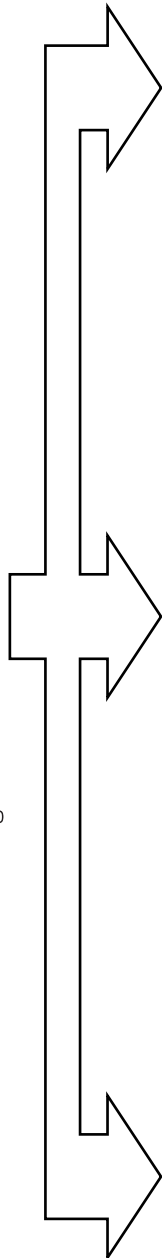
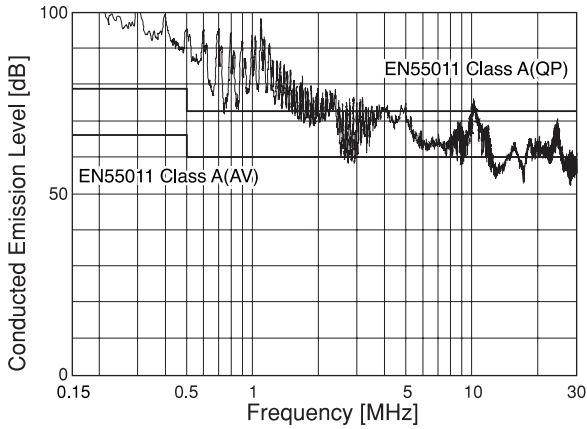
● Machine with Servo Driver + MX13050



● Machine with Servo Driver + MX13150



● Machine with Servo Driver



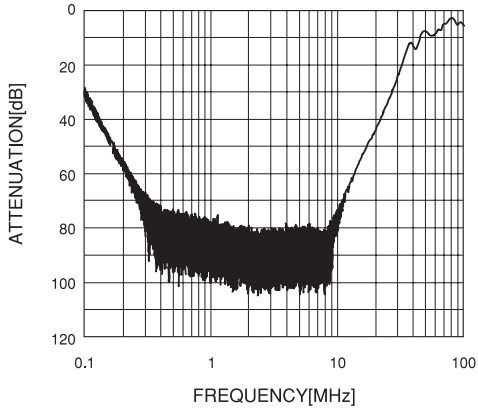
Noise Filter

CHARACTERISTICS

■ Attenuation Characteristic (typical)

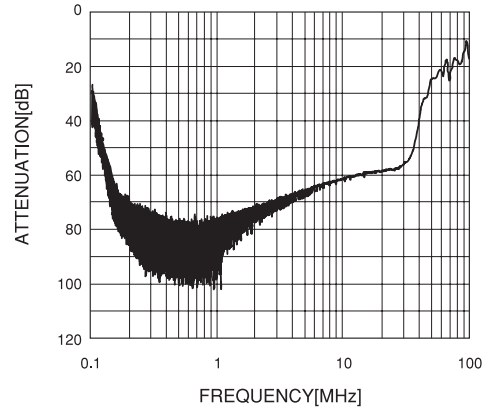
(1) Asymmetrical

MX13030

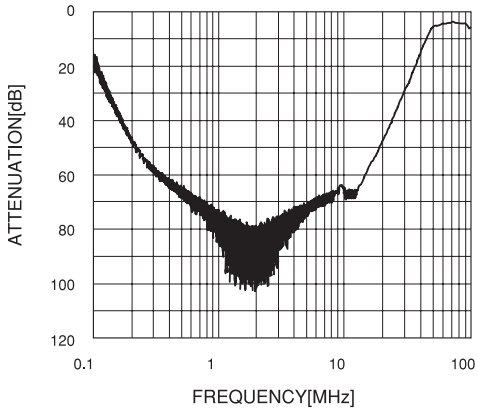


(2) Symmetrical

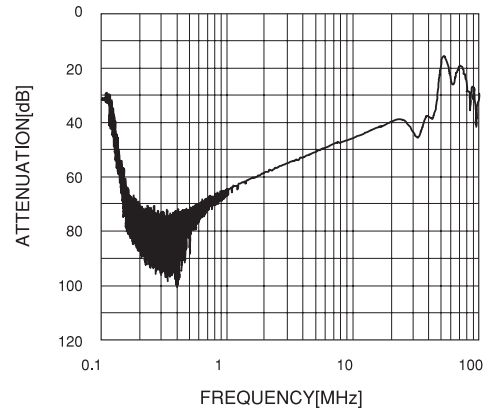
MX13030



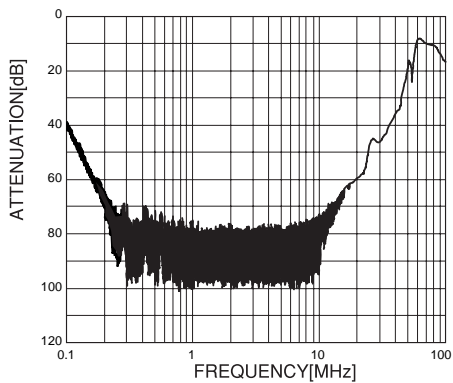
MX13050



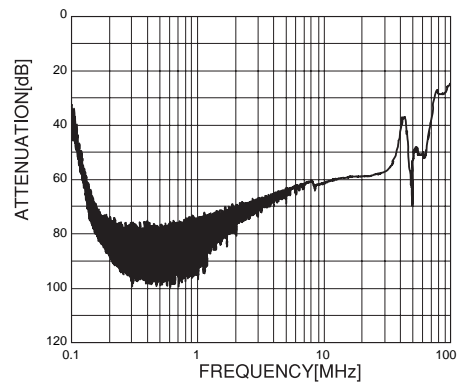
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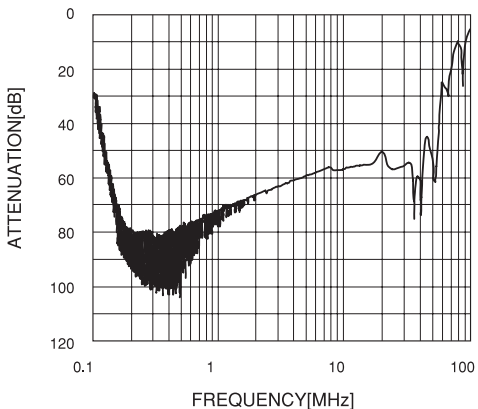
MX13100



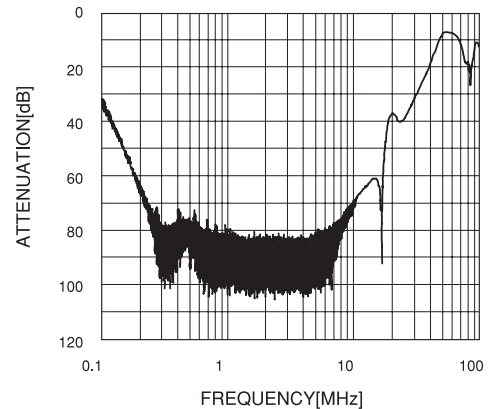
MX13100



MX13150



MX13150



Noise Filter