MB13-SERIES

Three Phase Input Noise Filter with Block Terminal

LAMBDA
DENSEI-LAMBDA

■ Features

(1) Block Terminal with Cover
Simple wire connection by block terminal.
High safety by terminal cover.
(2) Three Phase Power Line Filter
Available for Star connection : 400Vac line-line
Available for Delta connection : 200Vac line-line
(3) High Attenuation in Compact Package

■ Safety standard

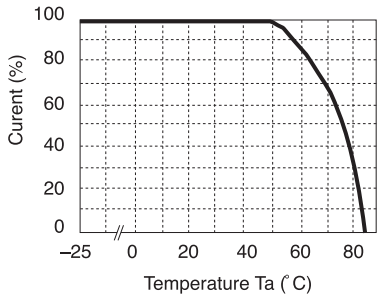
UL1283,
CSA Std. C22. 2 No. 8
EN133200 (New European Standard)

■ Specifications

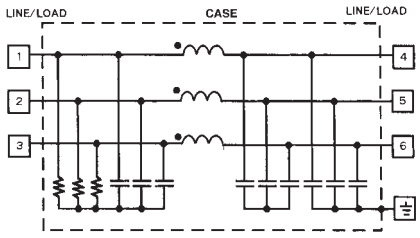
	ITEMS / MODEL		MB1310	MB1320	MB1330	MB1340	MB1350
1	Rated Voltage (AC)		500V(50/60Hz)				
2	Rated Current (AC) (Note 1)		10A	20A	30A	40A	50A
3	Test Voltage		2500VAC(20mA) Terminal to case, 1min. at 25˚C , 70%RH				
4	Isolation Resistance		100MΩ min. Terminal to case, 500VDC at 25˚C, 70%RH				
5	Leakage Current	250V 60Hz	1.0mA max.				
		500V 60Hz	2.0mA max.				
6	DC Resistance		80m Ω max.	30m Ω max.	20m Ω max.	11m Ω max.	7m Ω max.
7	Temperature Rise		35˚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		10~55~10Hz,Amplitude (Sweep for 1min) 1.5mm(9G max.) X,Y,Z 2 hours each				
13	Safety Standard		Bilt to meet : UL1283,CSA C22.2 No.8, EN133200				
14	Weight (typ)		1800g	1800g	1800g	2800g	2800g
15	MTBF(hours) (Note 2)		573,000	480,000	521,000	421,000	395,000

(Note1): Value for Ta ≦ 50°C. For Ta>50°C derate according to the derating curve shown below.
(Note2): Calculated based on the part stress analysis prediction method as specified in MIL-HDBK-217F.

■DERATING

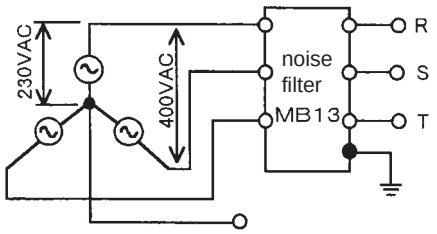


■CIRCUIT

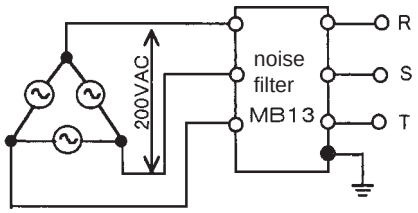


■APPLICATIONS

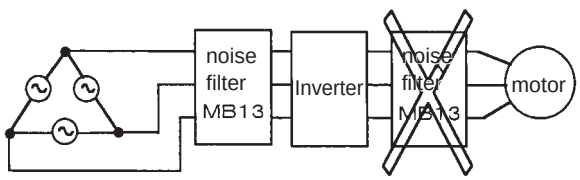
Star connection
3 Phase 4 Wires 400V line-line. Unused Neutral line



Delta Connection
3 Phase 3 Wires 200V line-line



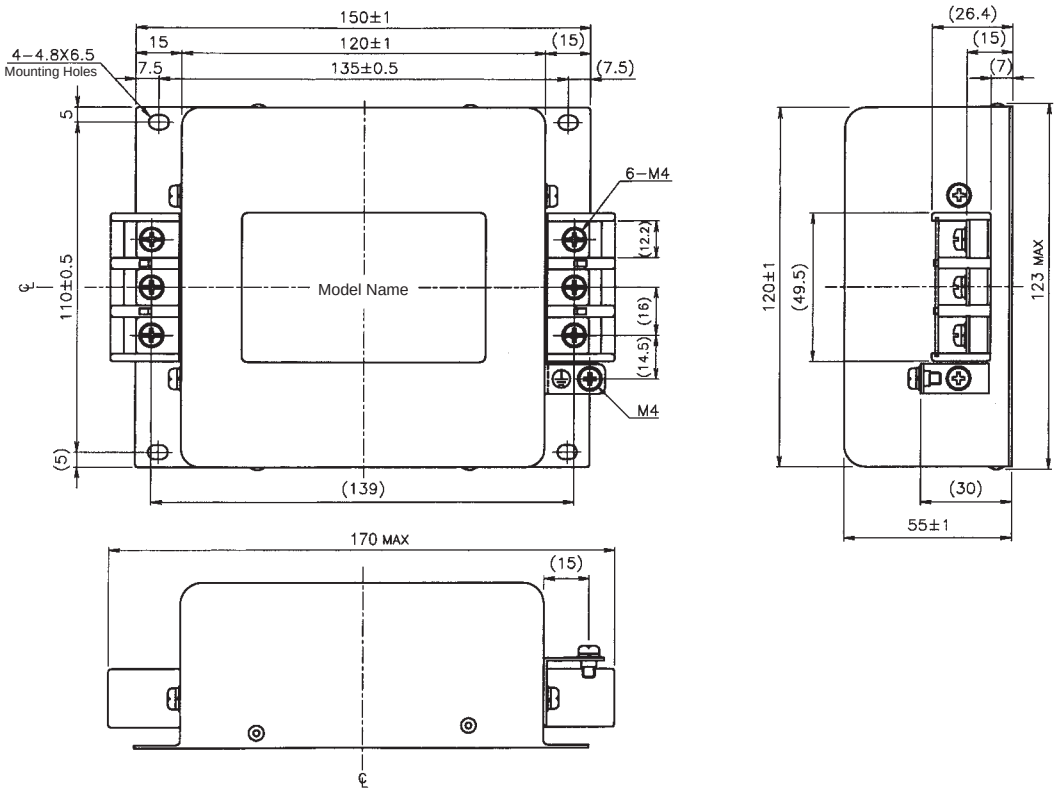
Note: For inverter application
Do not use MB series between inverter and motor.



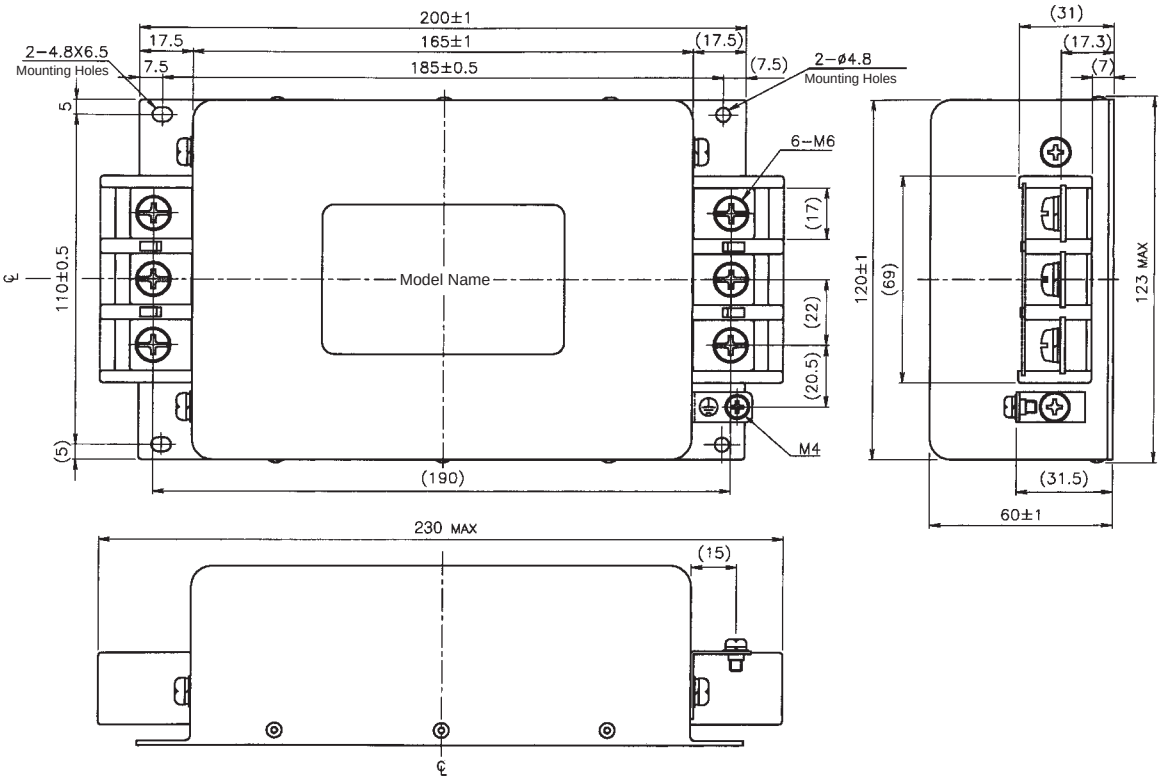
Noise Filter

MB13-SERIES

■ MB1310
■ MB1320
■ MB1330



■ MB1340
■ MB1350



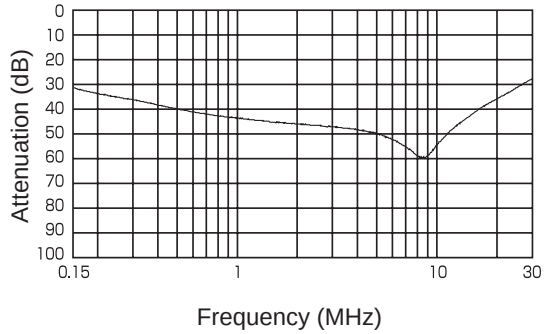
(Unit: mm)

CHARACTERISTICS

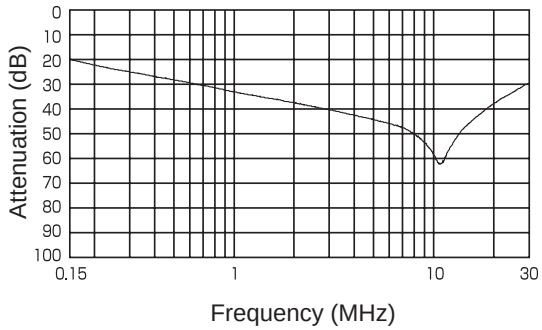
■ Typical Insertion Loss

(1) Asymmetrical

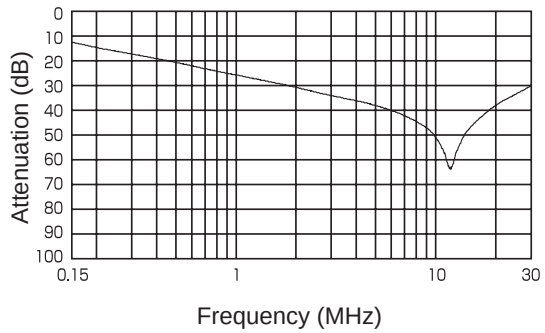
MB1310



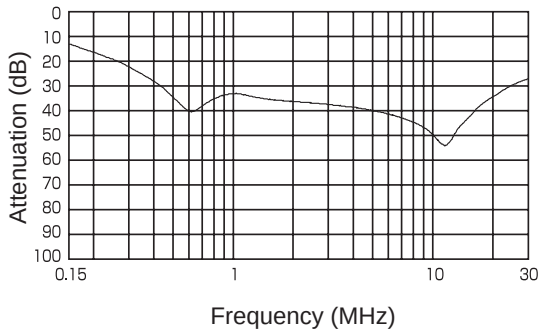
MB1320



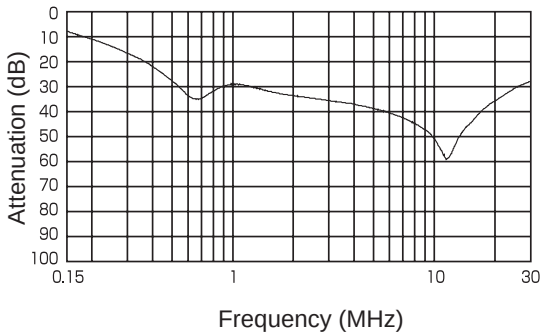
MB1330



MB1340



MB1350

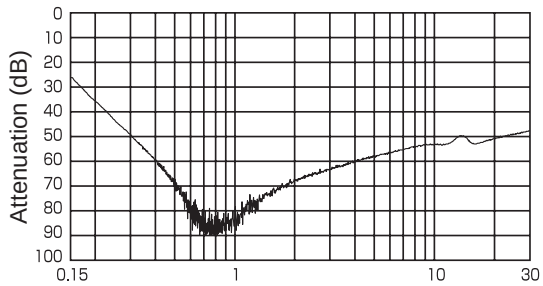


CHARACTERISTICS

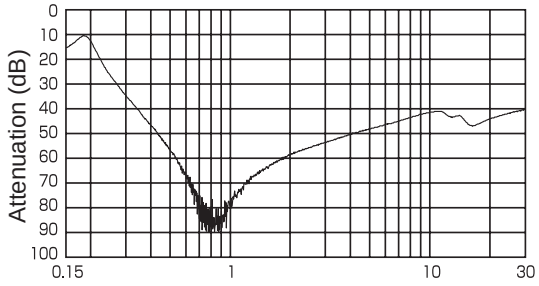
■ Typical Insertion Loss

(2) Symmetrical

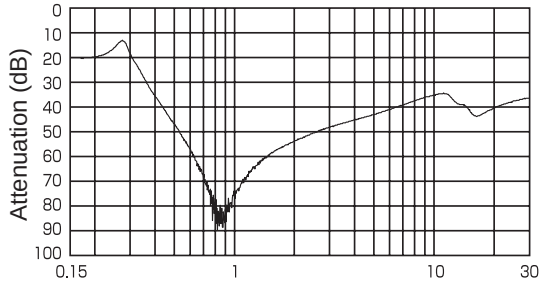
MB1310



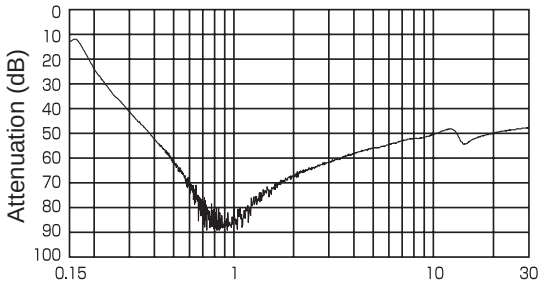
MB1320



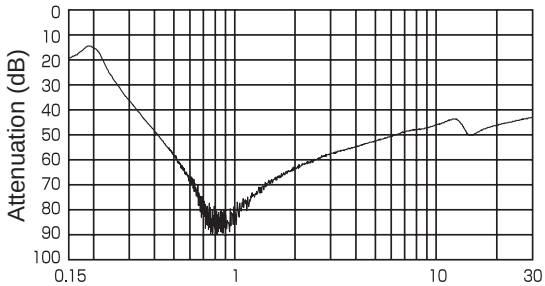
MB1330



MB1340



MB1350



Noise Filter