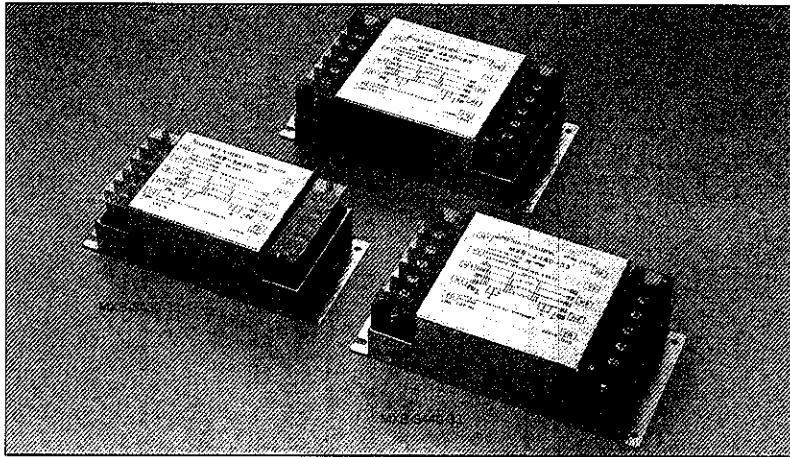


MXB-34-SERIES

LAMBDA
DENSEI-LAMBDA



■ Features

- (1) High attenuation effect against high voltage pulse noise.
- (2) Compact and low profile (Height: 65mm)
- (3) Block terminal with cover.

■ Safety standard

UL1283

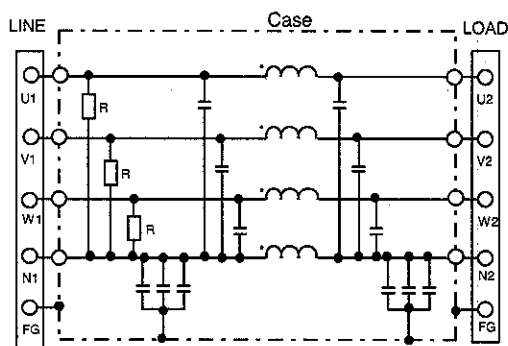
Conforms to CSA (CSA Std. C22. 2 No. 8)
Conforms to VDE (VDE0565 Teil 3A2 for MXB-3430-33 only)

■ Specifications

Item	Model	MXB-3430-33	MXB-3440-33	MXB-3450-33
1	Rated voltage (AC) 3 phase - 4 wires		440V (ph-ph) / 250V (ph-N)	
2	Rated current (AC) (Note 1)	30A	40A	50A
3	Test voltage (terminal to case, AC 1 minute)	2500V (25°C, 70% RH)		
4	Isolation resistance (terminal to case, 500VDC)	300MΩ min. (25°C, 70% RH)		
5	Leakage current 440V (ph-ph) 60Hz	3.5mA max.		
6	DC resistance (4 Line total)	0.02Ω max.	0.015Ω max.	0.01Ω max.
7	Temperature rise	35°C max.		
8	Operating temperature	-25 ~ +85°C		
9	Storage humidity	30% ~ 90% RH (No dewdrop)		
10	Storage temperature	-30 ~ +85°C		
11	Storage humidity	10% ~ 95% RH (No dewdrop)		
12	Vibration	Sweep: 10 ~ 55 ~ 10Hz (for 1 minute), Amplitude: 1.5mm X, Y and Conforms to Z axes for 2 hours		
13	Safety standard (Note 2)	Approved by UL1283. CSA std. C22. 2 No. 8 and conforms to VDE0565 Teil 3A2		
14	Weight (typ)	2000g	2900g	3000g

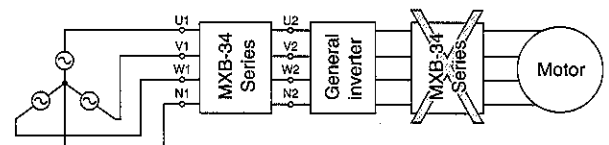
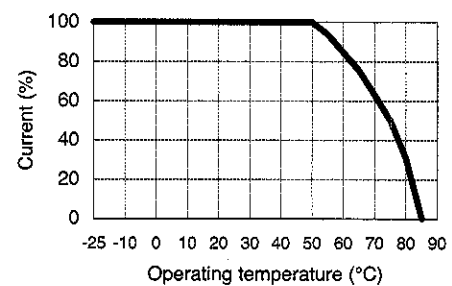
(Note 1) : Value at Ta ≤ 50°C. Refer to the derating curve shown below at Ta > 50°C.
(Note 2) : VDE conforms to MXB-3430-33 only.

■ Circuit



R: Breeder resistance

■ Derating



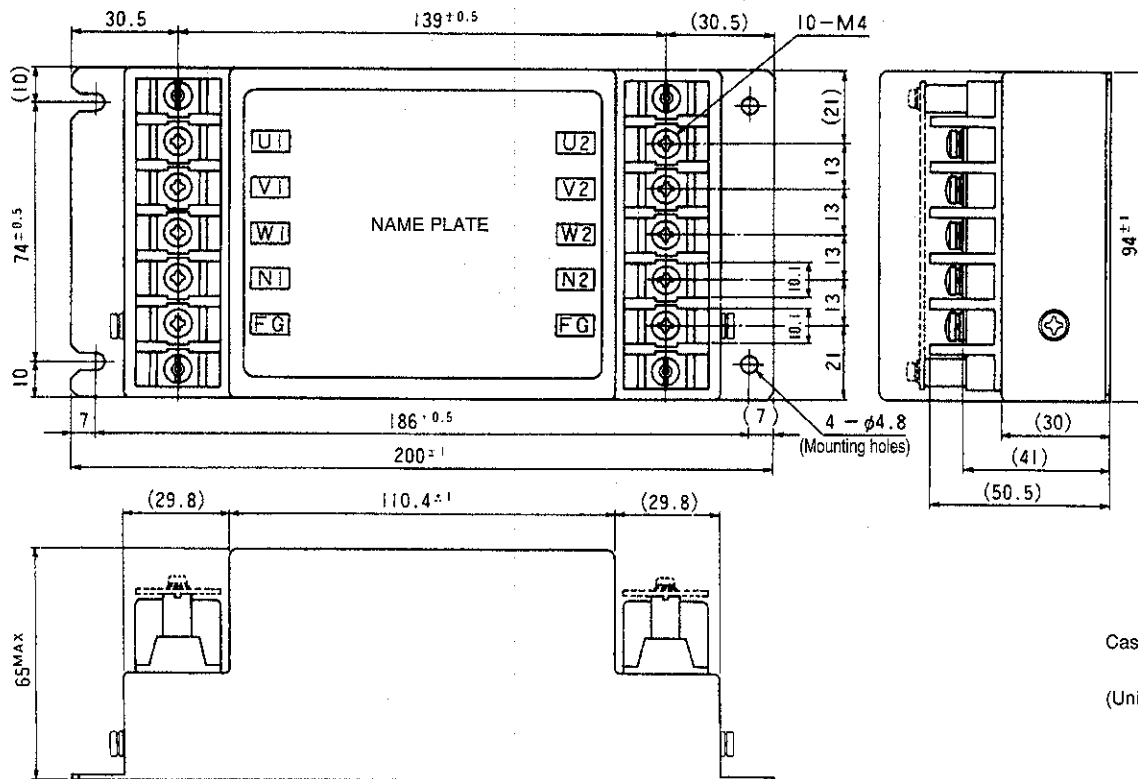
(Note): Note on using general inverter
MXB-34 Series cannot be used between the general inverter and motor.

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

MXB-34-SERIES

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■ MXB-3430-33



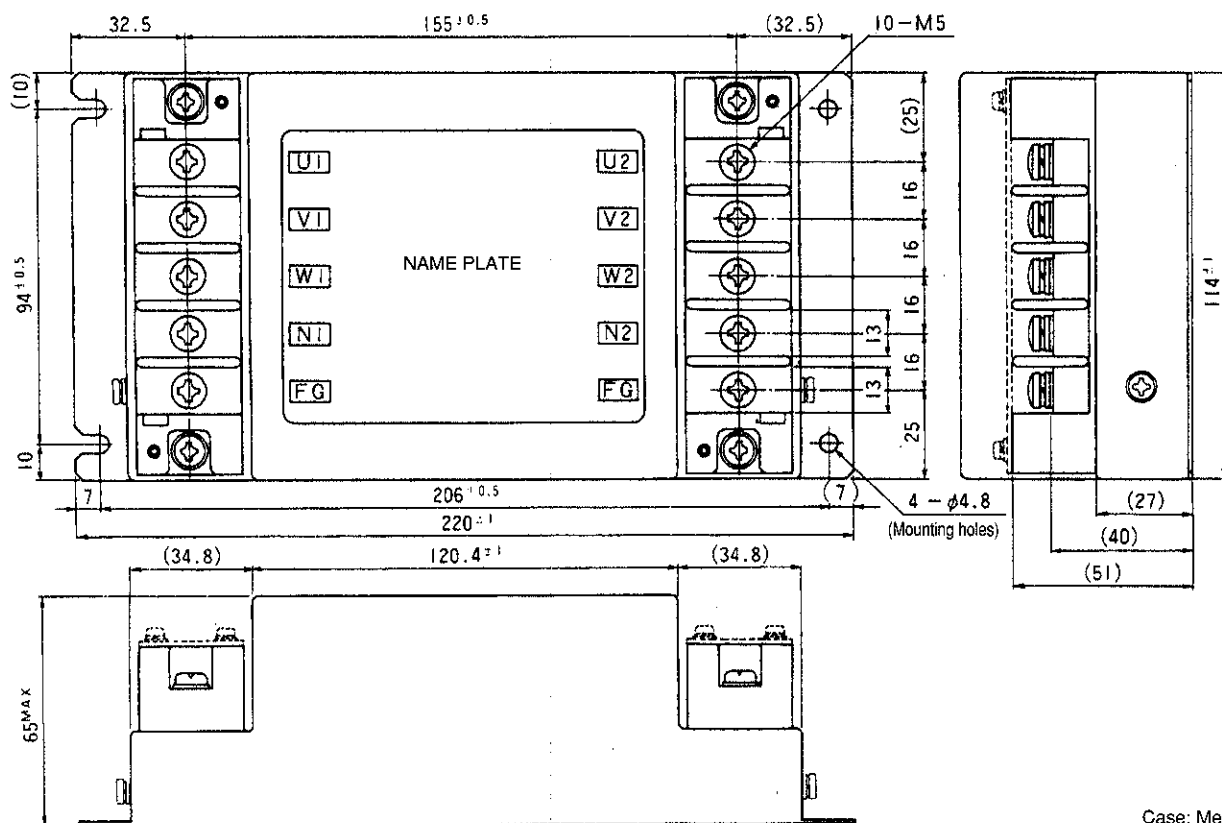
Case: Metal

(Unit: mm)

Noise Filter

■ MXB-3440-33

■ MXB-3450-33



Case: Metal

(Unit: mm)

■ Typical Insertion Loss Symmetrical
—— Asymmetrical

Figure 1 is a line graph showing Attenuation (dB) versus Frequency (MHz) for two different antenna configurations. The solid line represents the configuration with a 100 ohm load, and the dashed line represents the configuration with a 50 ohm load. The x-axis (Frequency) is logarithmic, ranging from 0.1 MHz to 100 MHz. The y-axis (Attenuation) is linear, ranging from 0 dB to 80 dB. Both curves show a broad peak around 2-5 MHz, with the 50 ohm load configuration generally exhibiting higher attenuation in the 1-10 MHz range.

Frequency (MHz)	Attenuation (dB) - 100 ohm load (solid line)	Attenuation (dB) - 50 ohm load (dashed line)
0.1	0	0
0.2	10	10
0.3	15	10
0.5	25	20
0.7	35	35
1.0	45	55
2.0	60	75
5.0	65	65
10.0	55	55
20.0	35	45
30.0	15	25
40.0	5	15
50.0	10	10
70.0	5	15
100.0	5	10

Frequency (MHz)	Attenuation (dB) - 100 ohm load (solid line)	Attenuation (dB) - 50 ohm load (dashed line)
0.1	-10	-10
0.2	-5	-5
0.3	0	0
0.5	-5	-10
0.7	0	0
1.0	5	15
2.0	15	25
3.0	20	20
5.0	25	15
7.0	20	10
10.0	15	10
20.0	0	5
30.0	-10	5
50.0	-15	-5
70.0	-10	-10
100.0	-15	-10

Frequency (MHz)	Attenuation (dB) - 100 ohm load (Solid line)	Attenuation (dB) - 50 ohm load (Dashed line)
0.1	-5	5
0.2	0	10
0.3	10	15
0.4	20	25
0.5	25	20
0.7	35	30
1.0	45	45
2.0	65	80
3.0	70	75
5.0	70	65
10.0	60	55
20.0	55	50
30.0	40	45
50.0	10	30
70.0	5	15
100.0	10	5