EMI/EMC FILTER

RoHS

TB6-B SERIES





Features

- 3-Phase filters(Potted with epoxy resin)
- Good shield effect by using metal case
- Excellent filtering characteristics for both differential mode and common mode
- Safety: cCSAus, SEMKO+ENEC, KC, CE/

TB6-B***LASH only: cCSAus, SEMKO+ENEC, CE

Applications

- Battery, ESS equipments
- Electric vehicle charger
- Industrial equipment such as CNC machine, inverter, converter, telecommunication equipment, FA equipment, elevator, etc.

Specifications

Model	Rated Voltage	Rated Current	Voltage Drop	Operating Temperature	
TB6-B006NBDC		6A			
TB6-B010NBDC		10A		-25°C ~ +100°C Including	
TB6-B016NBDC	254/440 (KC, SEMKO+ENEC, CE), 277/480 (cCSAus) (50/60Hz	16A	1.0 V	temperature rise	
TB6-B020NBDC		20A		Derating Curve [%] 100	
TB6-B030NBDC		30A			
TB6-B040As		40A			
TB6-B060LAs		60A			
TB6-B080LAs		80A			
TB6-B100LAs		100A			
TB6-B150LAs		150A			
TB6-B200LBs		200A			
TB6-B250LBs		250A			
TB6-B300LBs		300A		AMBIENT TEMPERATURE[°C]	
TB6-B400LBs		400A			

% Many variations in X and Y capacitor value are available with approvals. TB6-B*****s: Used for CNC Machines TB6-B010~B030N(L)BDC: *Used for Servo Driver System For the details, consult with local agent.

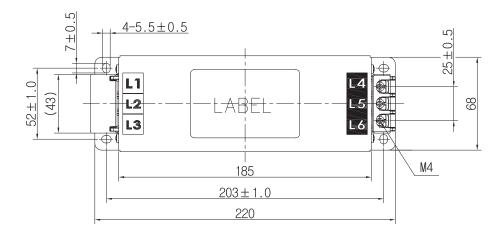
Note: Test Voltage: 3000VDC for 1 minute, line to ground Insulation Resistance: $300M\Omega$ minimum at 100VDC, line to ground Weight: 1.3Kg for TB6-B006**/B010**/B016**/B020**/B030** 2.2Kg for TB6-B040A* 4.5Kg for TB6-B060LA*/B080LA* 4.3Kg for TB6-B100LA* 8.2/8.5Kg for TB6-B200LB*/B250LB*

12.2Kg for TB6-B400LB*

Model Number Construction

TB6	В	060	LA	S
Series name : 3 Phase, 3Line Filt	Input/Output B:Terminal Block	Rated Current 060 = 60 A 080 = 80 A 100 = 100 A 150 = 150 A	Circuit Stage LA = 1 Stage (Permeability of Core: 7K) LB = 2 Stage (Permeability of Core: 7K) NB = 2 Stage Permeability of Core: 10K)	Suffix S= Standard 1= X-Capacitor 3.3uF, Y-Capacitor 10,000pF DC= X-Capacitor 2.2uF, Y-Capacitor 10,000pF

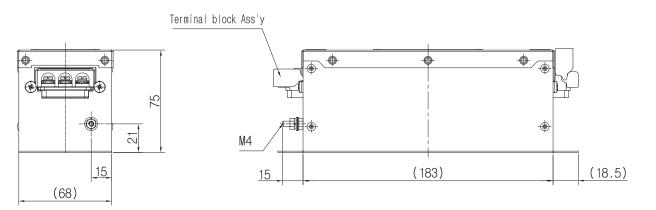
TB6-B006N(L)B**~TB6-B030NB**



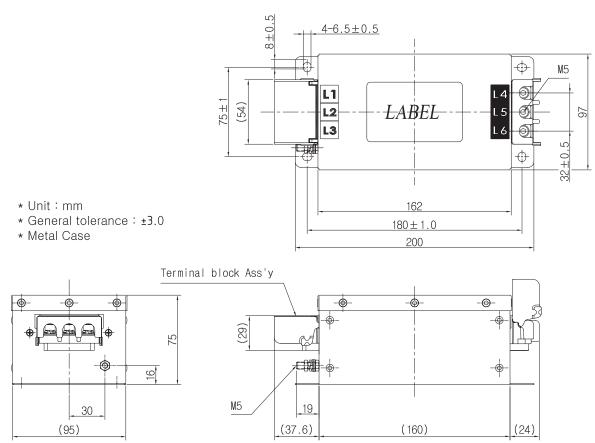
* Unit: mm

* General tolerance: ±3.0

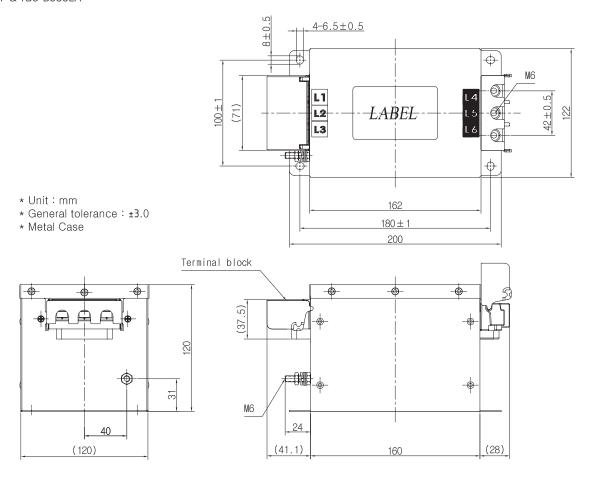
* Metal Case



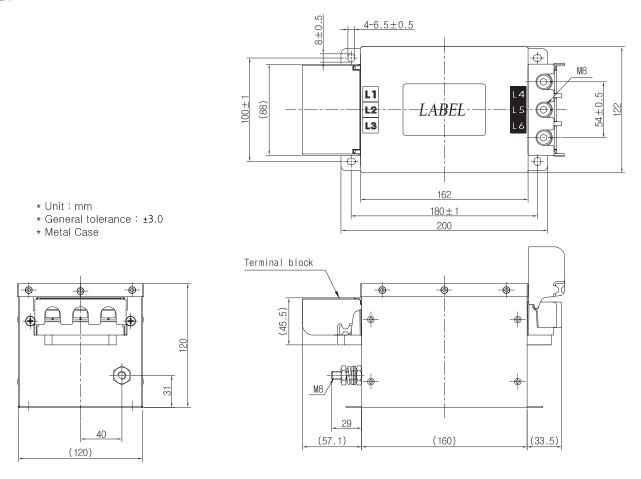
TB6-B040LA*



TB6-B060LA* & TB6-B080LA*

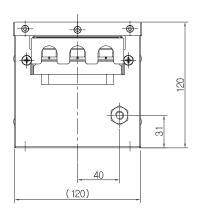


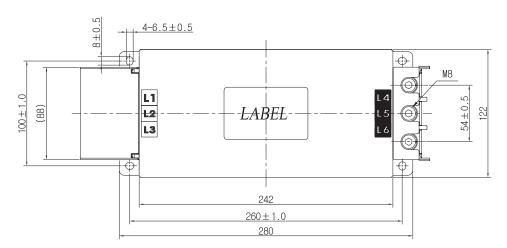
TB6-B100LA*

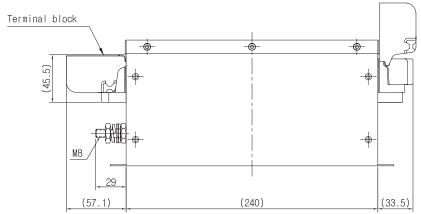




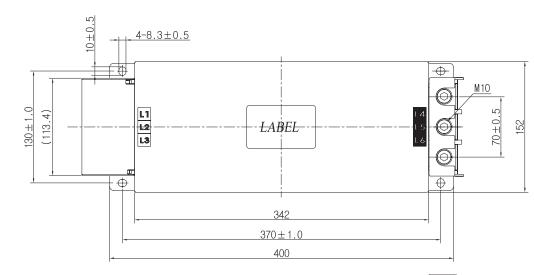
- * Unit: mm
- * General tolerance: ±3.0
- * Metal Case



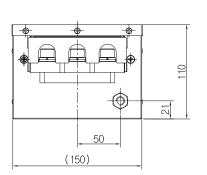


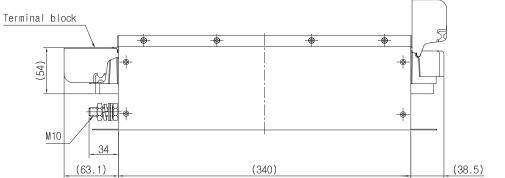


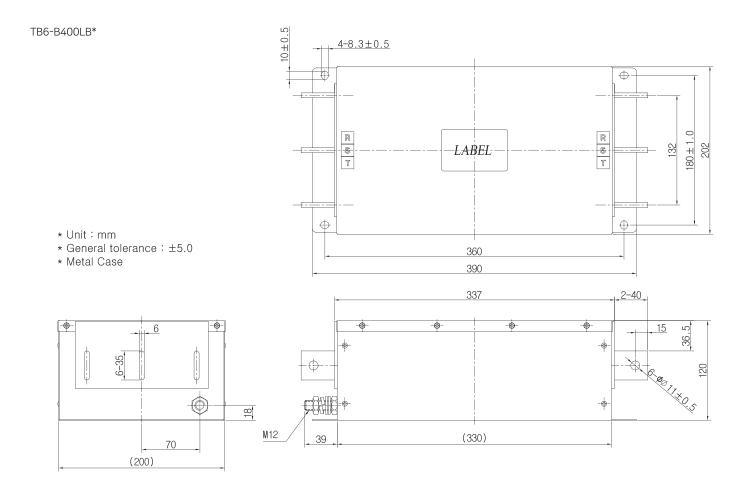
TB6-B200LB* & TB6-B250LB*



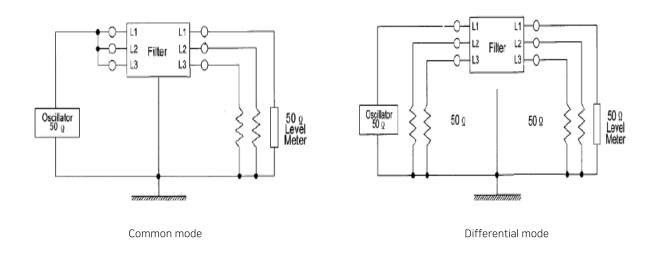
- * Unit: mm
- * General tolerance: ±3.0
- * Metal Case





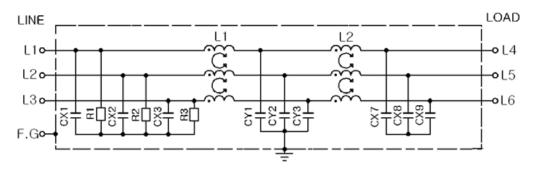


Attenuation Measuring Method

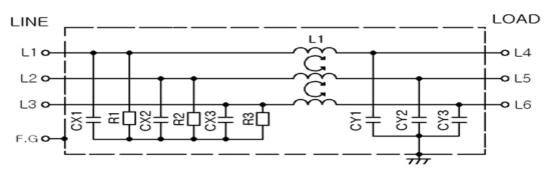


Circuit Diagram

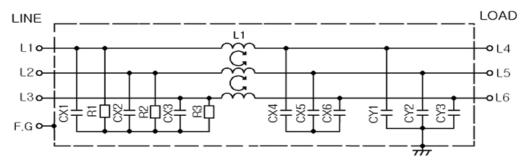
TB6-B006NBDC~TB6-B030NBDC



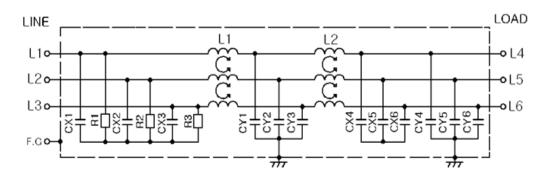
TB6-B040A*



TB6-B060LA** ~ TB6-B150LA**



TB6-B200LB* ~ TB6-B400LB*



0.1

0.2

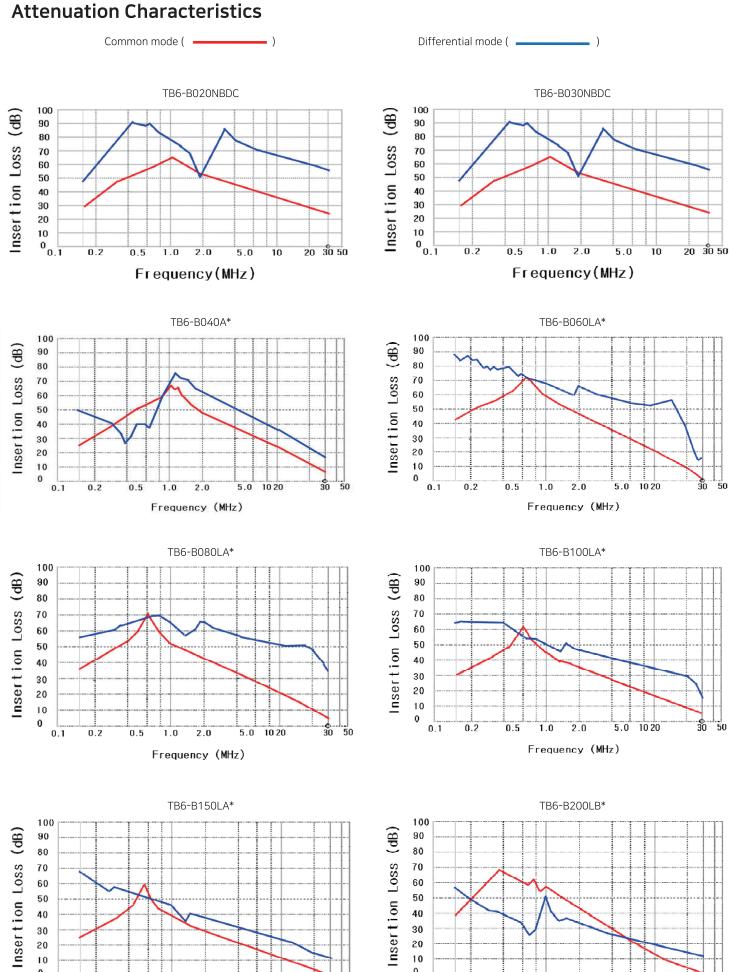
0.5

2.0

Frequency (MHz)

1.0

5.0 1020



0.1

0.2

0.5

1.0

Frequency (MHz)

Attenuation Characteristics

Common mode (______)

Differential mode (______)

