

EMI/EMC FILTER

RoHS

TB6-2/4 SERIES



Features

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

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 AC	Rated Current	Voltage Drop Max (Each Phase)	Temperature Rise
TB6-4250BC6*	3Φ×440V (50/60Hz)	250	1.0 V	-25°C to +100°C Including temperature rise Derating Curve
TB6-4300BC6*		300		
TB6-4400BC6*		400		
TB6-4500BBA*		500		
TB6-4600BBA*		600		

※ Many variations in X and Y capacitor value are available. For the details, consult with local agent.

Note

Test Voltage: 2250VDC for 1 minute, line to ground

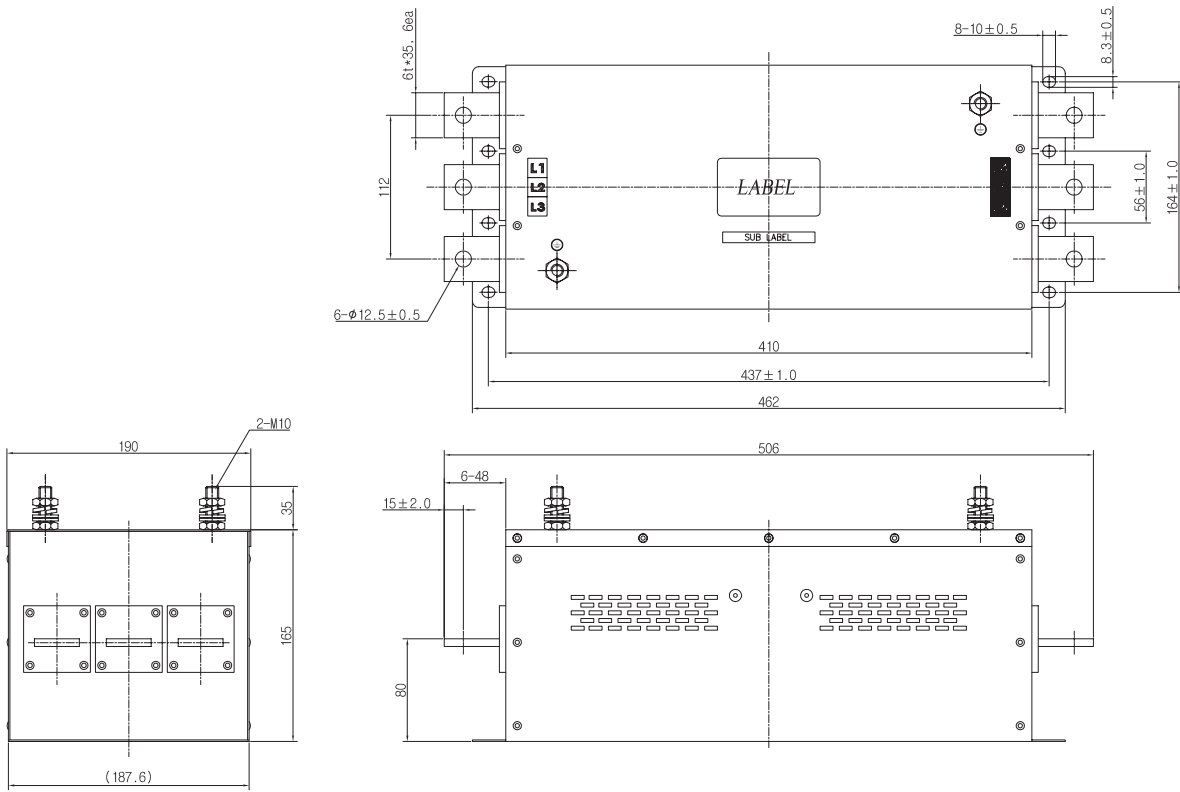
Insulation Resistance: 300MΩ minimum at 100VDC, line to ground

Model Number Construction

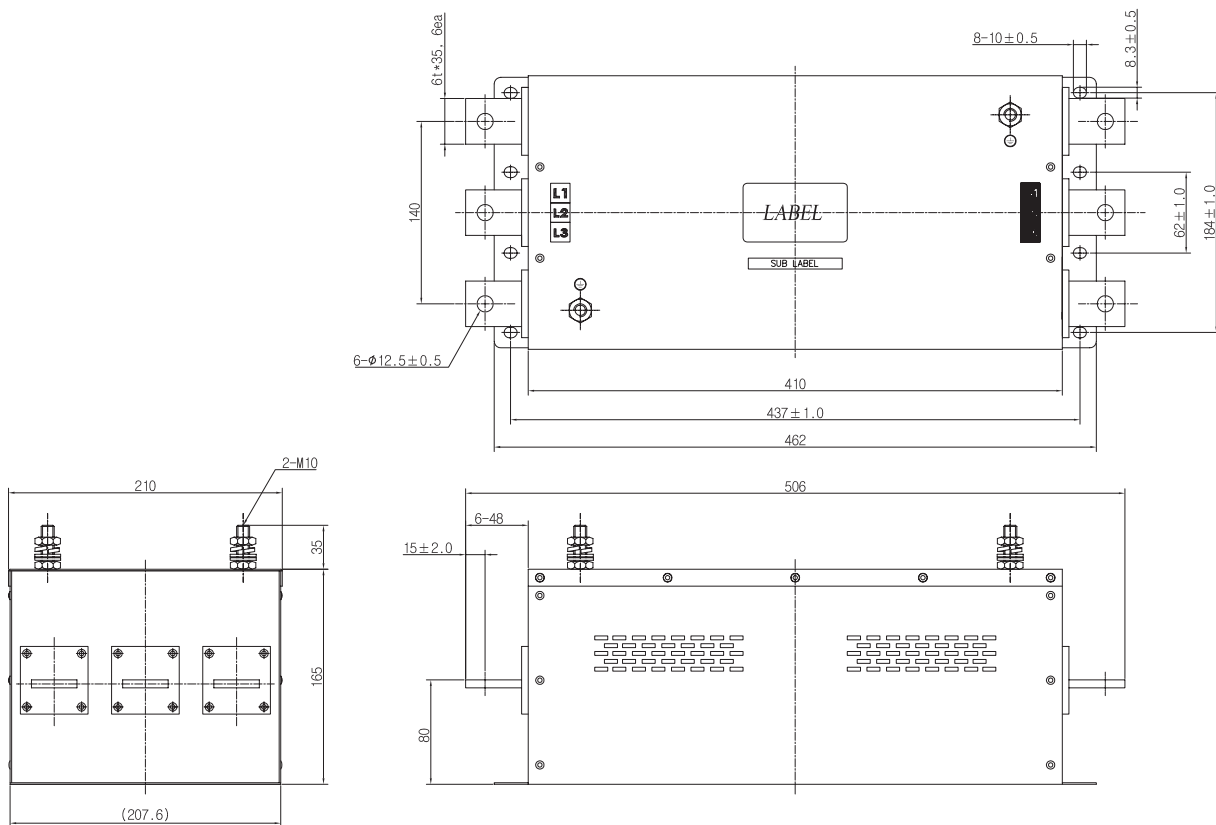
TB6	*	*	*	*	*	*
Series name : 3 Phase	Rated Voltage 2 : 250 VAC 4 : 440 VAC	Rated Current 250 = 250A 300 = 300A 400 = 400A 500 = 500A 600 = 600A	The number of core(s) A = 1EA B = 2EA	Circuit Type A,B,C Refer to the below	Xc Value 3 : 3.3uF 6 : 6.6uF A : 19.8uF	Yc Value 1 : 0.1uF 2 : 0.22uF

Shapes and Dimensions

TB6-4250/4300/4400****

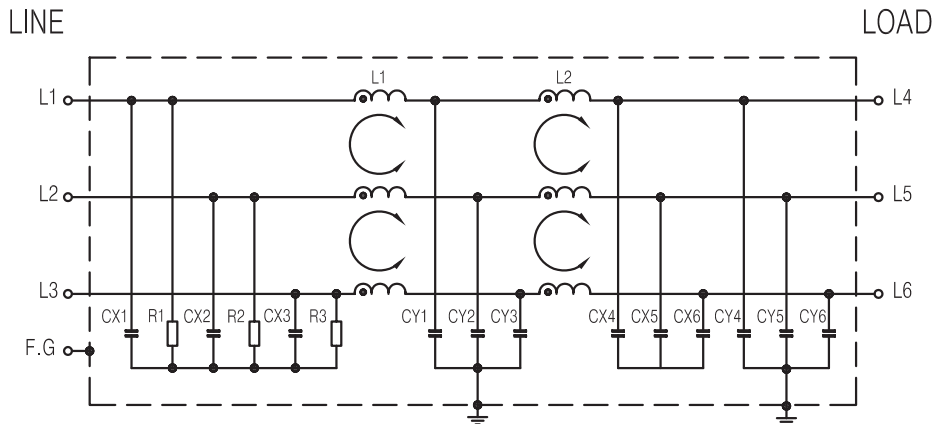


TB6-4500/4600****

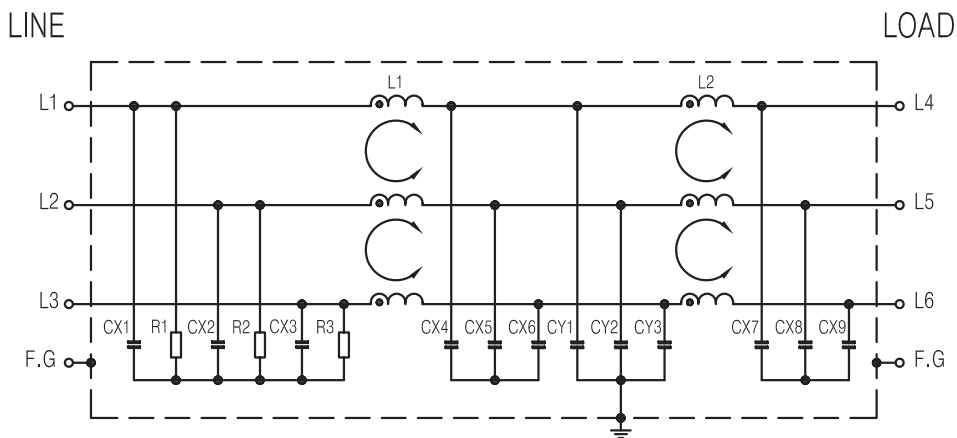


Circuit Diagram

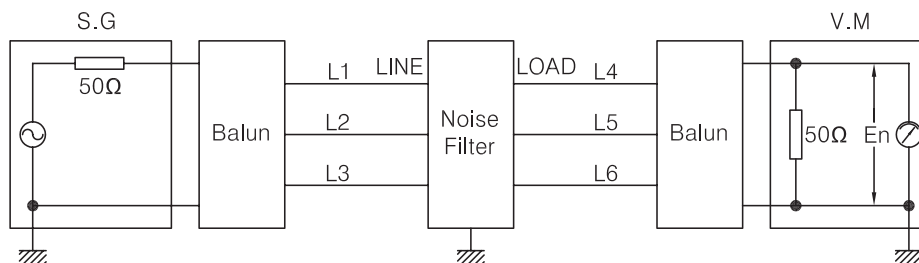
Circuit Type B



Circuit Type C



Attenuation Measuring Method



OSC Level: 0 dB

Insertion loss = $-20\log(E1/E2)$ [dB]

E1: Level with the noise filter in the circuit

E2: Level without the noise filter in the circuit

Attenuation Characteristics

Common mode (—)

Normal mode (—)

