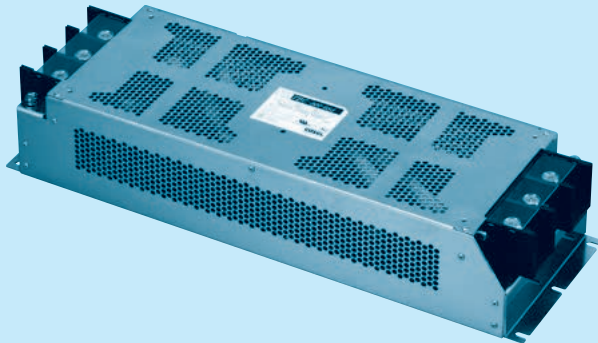


# TBC series(200,250,300A)

TBC -200 -683



- ① Model Name
- ② Rated Current
- ③ Line to ground capacitor code: See table 1.1.

table 1.1 Line to ground capacitor code

| Code | Leakage Current (Input 250/500V 60Hz) | Line to ground capacitor (nominal value) |
|------|---------------------------------------|--|
| 223  | 1.0mA/2.0mA max                       | 22,000pF                                 |
| 683  | 2.5mA/5.0mA max                       | 68,000pF                                 |
| 104  | 3.5mA/7.0mA max                       | 100,000pF                                |

\* When the line to ground capacitor code is different, the attenuation characteristic is different.

## Features of TBC series

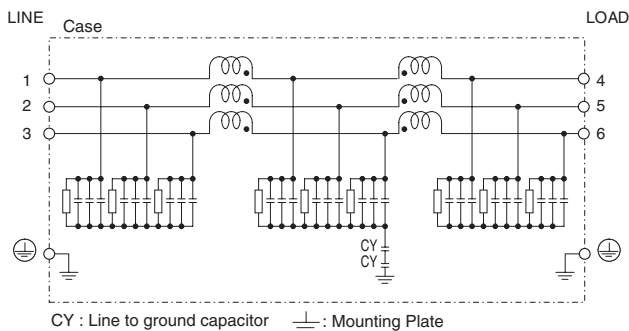
### High-attenuation type of common mode noise from 150kHz to 1MHz (2-stage filter)

- Three phase rated voltage 500 VAC (voltage range:528V max)
- Selectable leakage current value

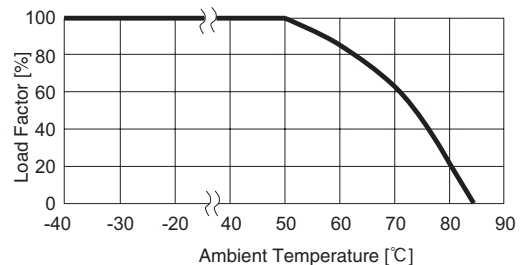
## Specifications

| No. | Items  | TBC-200-683   | TBC-250-683 | TBC-300-683 |
|-----|--|---|-------------|-------------|
| 1   | Rated Voltage[V]                               | AC Three Phase 500 (voltage range:528 max) 50/60Hz                              |             |             |
| 2   | Rated Current[A]                               | 200   | 250         | 300         |
| 3   | Test Voltage (Terminal-Mounting Plate)         | 2,500 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity    |             |             |
| 4   | Isolation Resistance (Terminal-Mounting Plate) | 500 VDC 100MΩ min at room temperature and humidity                              |             |             |
| 5   | Leakage current 250/500V 60Hz                  | 2.5mA/5.0mA max   |             |             |
| 6   | DC resistance                                  | 4mΩ max   | 3mΩ max     | 2mΩ max     |
| 7   | Safety agency approval temperatures            | -25 to +85°C (Refer to Derating Curve)  |             |             |
| 8   | Operating temperature                          | -40 to +85°C (Refer to Derating Curve)  |             |             |
| 9   | Operating humidity                             | 20 to 95%RH (Non condensing)  |             |             |
| 10  | Storage temperature/humidity                   | -40 to +85°C/20 to 95%RH (Non condensing)                                       |             |             |
| 11  | Vibration                                      | 10 to 55Hz, 19.6m/s <sup>2</sup> (2G), 3min. Period, 1hour each X, Y and Z axis |             |             |
| 12  | Impact   | 196.1m/s <sup>2</sup> (20G), 11ms Once each X, Y and Z axis                     |             |             |
| 13  | Safety agency approvals                        | UL1283, CSA C22.2 No.8 (C-UL) , DIN EN60939 VDE0565 Teil3-1, ENEC               |             |             |
| 14  | Case size (without projection)                 | 190 X 110 X 580 mm [7.48 X 4.33 X 22.83 inches] (W X H X D)                     |             |             |
| 15  | Weight   | 13.0kg max  |             |             |

## Circuit Diagram

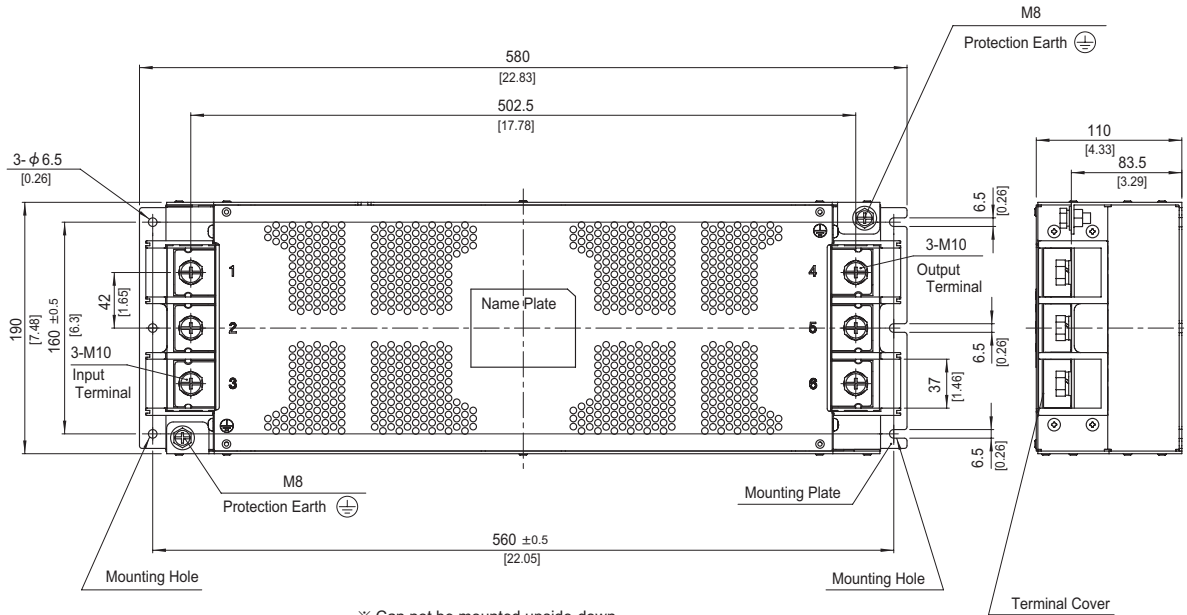


## Derating Curve



\* Keep free ventilation holes for cooling.

## External view



※ Can not be mounted upside-down.  
(mounted the top surface)

- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 13.0kg max
- ※ Mounting Plate : Stainless steel t=2.0 [0.08]
- ※ Dimensions in mm, [ ]=inches
- ※ Terminal block screw tightening torque M10 : 14.2N · m (144.9kgf · cm) max
- ※ Protection Earth screw tightening torque M8 : 9.2N · m (93.9kgf · cm) max