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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

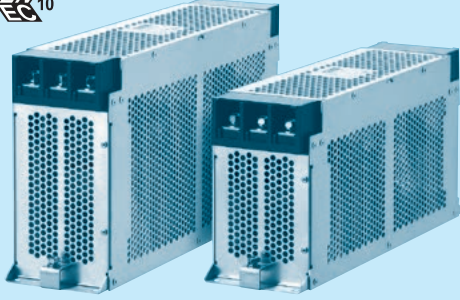
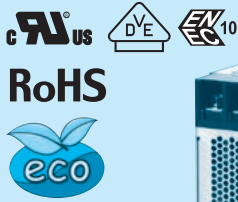
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# FTB series(80,100,150A)

FTB -80 -663 -□

① ② ③ ④



- 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) (355 only 250/400V 60Hz)	Line to ground capacitor CY1 (nominal value)	Line to ground capacitor CY2 (nominal value)
203	1.0mA/2.0mA max	10,000pF	10,000pF
663	2.5mA/5.0mA max	33,000pF	33,000pF
324	12mA/24mA max	220,000pF	100,000pF
355 *1	330mA/515mA max	220,000pF	3,300,000pF

- \* When the line to ground capacitor code is different, the attenuation characteristic is different.
- \* 1 "355" is applied only to "L" type.

- ④ Option
- H: Ultra high attenuation type  
"355" is not applied
- S: Hexagon socket head cap screw  
(Standard type is Hexagon head screw)
- L: Ultra high attenuation type for EU

## Features of FTB series

### Book type (Space-saving type)

- 2-stage filter High-attenuation (150kHz - 1MHz)
- Selectable leakage current value, Ultra high attenuation type "-355-L" for EU (Wye type with neutral earth system)

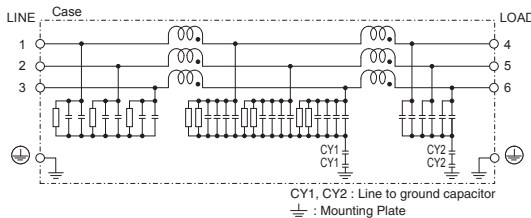
## Specifications

No.	Items	FTB-80-663	FTB-100-663	FTB-150-663
1	Rated Voltage[V]	AC Three Phase 500 (voltage range: 528 max) 50/60Hz *2		
2	Rated Current[A]	80	100	150
3	Test Voltage (Terminal-Mounting Plate)	2,500 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity *3		
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ min at room temperature and humidity *4		
5	Leakage current 250/500V 60Hz	2.5mA/5.0mA max		
6	DC resistance	10mΩ max	8mΩ max	6mΩ 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)	100 X 170 X 350 mm (W X H X D) [3.94 X 6.69 X 13.78 inches]	100 X 210 X 400 mm (W X H X D) [3.94 X 8.27 X 15.75 inches]	
15	Weight	5.3kg max	7.8kg max	

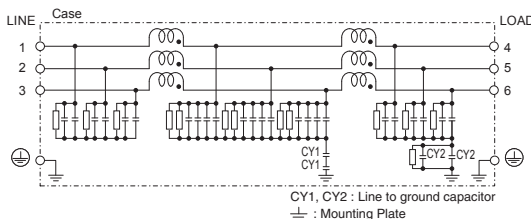
- \*2 Only capacitor code "355", Three Phase Δ-connection : 400 (440 max), Wye-connection : 500 (528 max)
- \*3 Only capacitor code "324","355" 2,800 DC (Cutoff Current = 10mA), 1minute at room temperature and humidity.
- \*4 Only capacitor code "355", Isolation resistance specification is deleted.

## Circuit Diagram

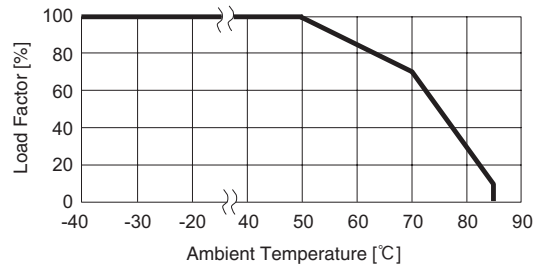
(1) Line to ground capacitor code : 203, 663, 324



(2) FTB-□□-355-L



## Derating Curve

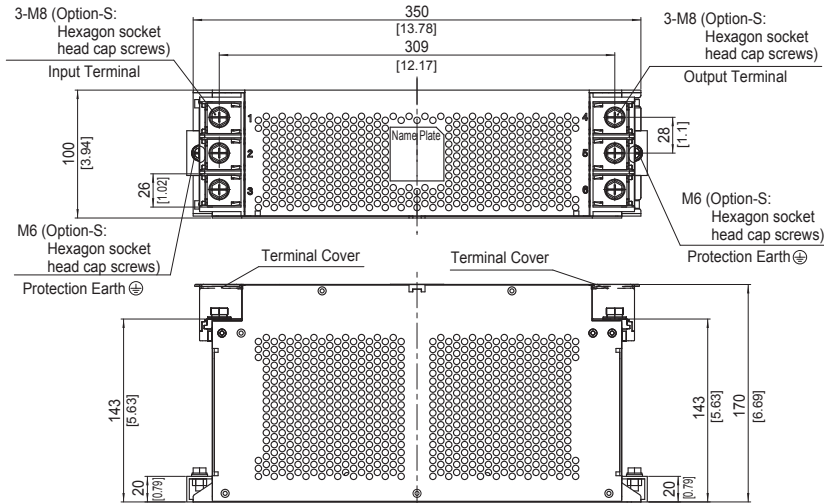


\* Keep free ventilation holes for cooling.

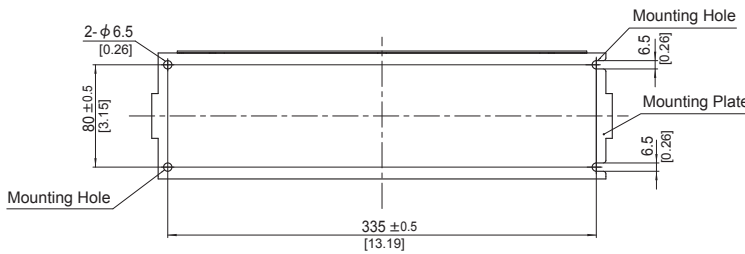


## External view

### FTB-80-□□□ / FTB-100-□□□

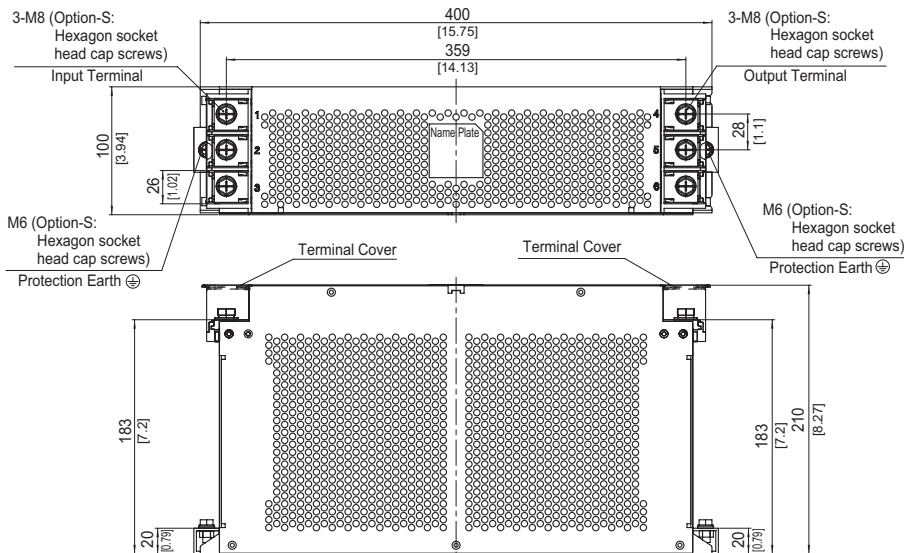


※ The air hole for heat radiation is not on the opposite side side.

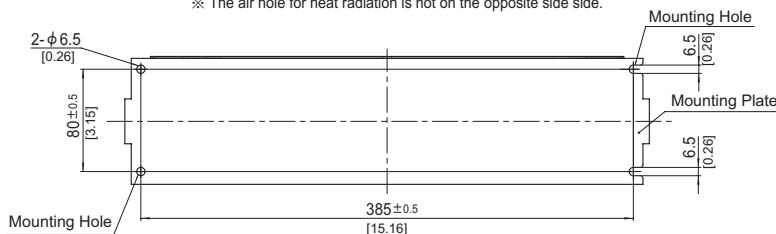


- ※ Tolerance :  $\pm 1$  [ $\pm 0.04$ ]
- ※ Weight : 5.3kg max
- ※ Mounting Plate : Aluminum  $t = 2.0$  [0.08]
- ※ Dimensions in mm, [ ]=inches
- ※ Terminal block screw tightening torque  
M8 : 9.2N · m(93.9kgf · cm)max
- ※ Protection Earth (PE) screw tightening torque  
M6 : 5.8N · m(59.2kgf · cm)max
- ※ Can not be mounted upside-down  
(mounted the top surface)
- ※ Keep free ventilation holes for cooling

### FTB-150-□□□



※ The air hole for heat radiation is not on the opposite side side.



- ※ Tolerance :  $\pm 1$  [ $\pm 0.04$ ]
- ※ Weight : 7.8kg max
- ※ Mounting Plate : Aluminum  $t = 2.0$  [0.08]
- ※ Dimensions in mm, [ ]=inches
- ※ Terminal block screw tightening torque  
M8 : 9.2N · m(93.9kgf · cm)max
- ※ Protection Earth (PE) screw tightening torque  
M6 : 5.8N · m(59.2kgf · cm)max
- ※ Can not be mounted upside-down  
(mounted the top surface)
- ※ Keep free ventilation holes for cooling