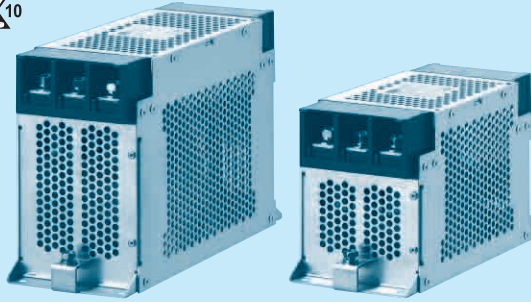
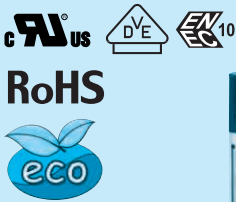


FTA series(80,100,125,150A)

FTA -80 -683 -□

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) (155,335 only 250/400V 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
155	160mA/250mA max	1.5μF
335	320mA/500mA max	3.3μF

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

④ Option

H: Ultra high attenuation type

"155", "335" is not applied.

S: Hexagon socket head cap screw

(Standard type is Hexagon head screw)

U: Improve differential mode attenuation

(Rated voltage 250V)

G: With switch of line to ground capacitor

Only "155", "335" is applied.

* "155" is Leakage current 160mA/250mA max when the switch state is ON (switched to "I").
50μA/80μA max when the switch state is OFF (switched to "O").* "335" is Leakage current 320mA/500mA max when the switch state is ON (switched to "I").
50μA/80μA max when the switch state is OFF (switched to "O").

Features of FTA series

Book type (Space-saving type)

- 1-stage filter General-purpose High-attenuation (150kHz - 1MHz)
- Selectable leakage current value, Ultra high attenuation type "155", "335" for EU
(Wye type with neutral earth system), With switch of line to ground capacitor "-G"

Specifications

No.	Items	FTA-80-683	FTA-100-683	FTA-125-683	FTA-150-683
1	Rated Voltage[V]	AC Three Phase 500 (voltage range: 528 max) *1 *2			
2	Rated Current[A]	80	100	125	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	5mΩ max	4mΩ max	3mΩ max	3mΩ 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 ² (2G), 3min. Period, 1hour each X, Y and Z axis			
12	Impact	196.1m/s ² (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 130 X 210 mm (W X H X D) (Option: -G refer to external view) [3.94 X 5.12 X 8.27 inches]		100 X 170 X 260 mm (W X H X D) (Option: -G refer to external view) [3.94 X 6.69 X 10.24 inches]	
15	Weight	3.1kg max		4.2kg max	

*1 Only capacitor code and option "155", "335", Three Phase Δ-connection: 400 (440 max), Wye-connection: 500 (528 max)

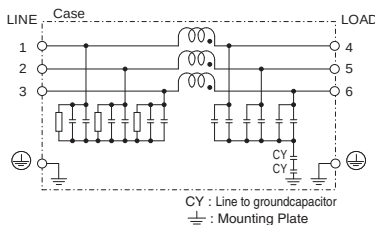
*2 Only option "U", Three Phase 250 (275 max)

*3 Only capacitor code and option "155", "335", 2,800VDC (Cutoff Current = 10mA), 1minute at room temperature and humidity.

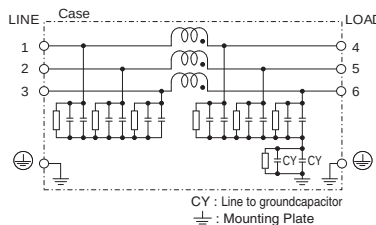
*4 Only capacitor code and option "155", "335", insulation resistance specification is deleted.

Circuit Diagram

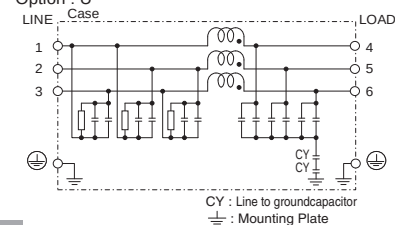
(1) Line to ground capacitor code : 223, 683, 104



(2) Line to ground capacitor code : 155, 335

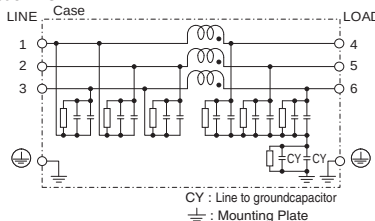


(3) Line to ground capacitor code : 223, 683, 104



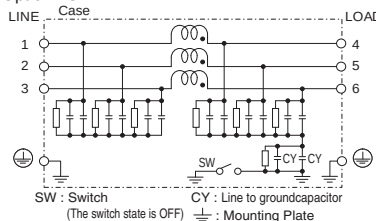
(4) Line to ground capacitor code : 155, 335

Option : U

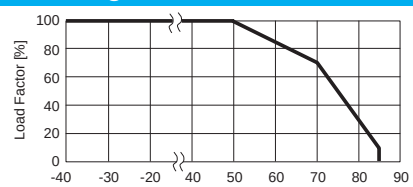


(5) Line to ground capacitor code : 155, 335

Option : G



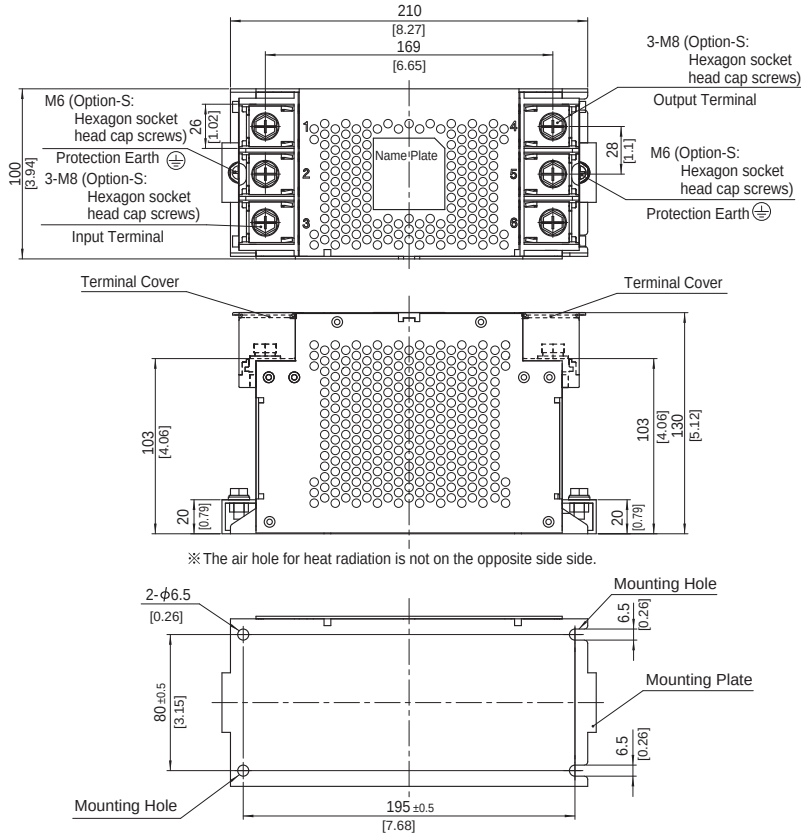
Derating Curve



* Keep free ventilation holes for cooling.

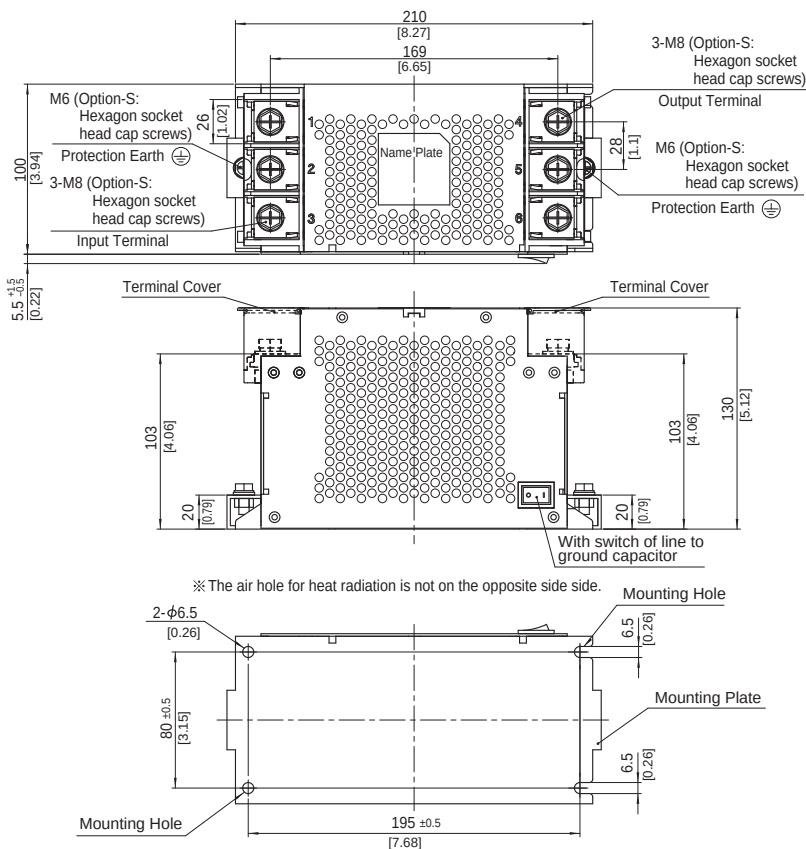
External view

FTA-80 / FTA-100 / FTA-125



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 3.1kg max
- ※ Mounting Plate : Aluminum $t=2.0$ [0.08]
- ※ Dimensions in mm, []=inches
- ※ Terminal block screw tightening torque
M8 : $9.2\text{N} \cdot \text{m}$ (93.9kgf $\cdot$ cm)max
- ※ Protection Earth (PE) screw tightening torque
M6 : $5.8\text{N} \cdot \text{m}$ (59.2kgf $\cdot$ cm)max
- ※ Can not be mounted upside-down (mounted the top surface)
- ※ Keep free ventilation holes for cooling

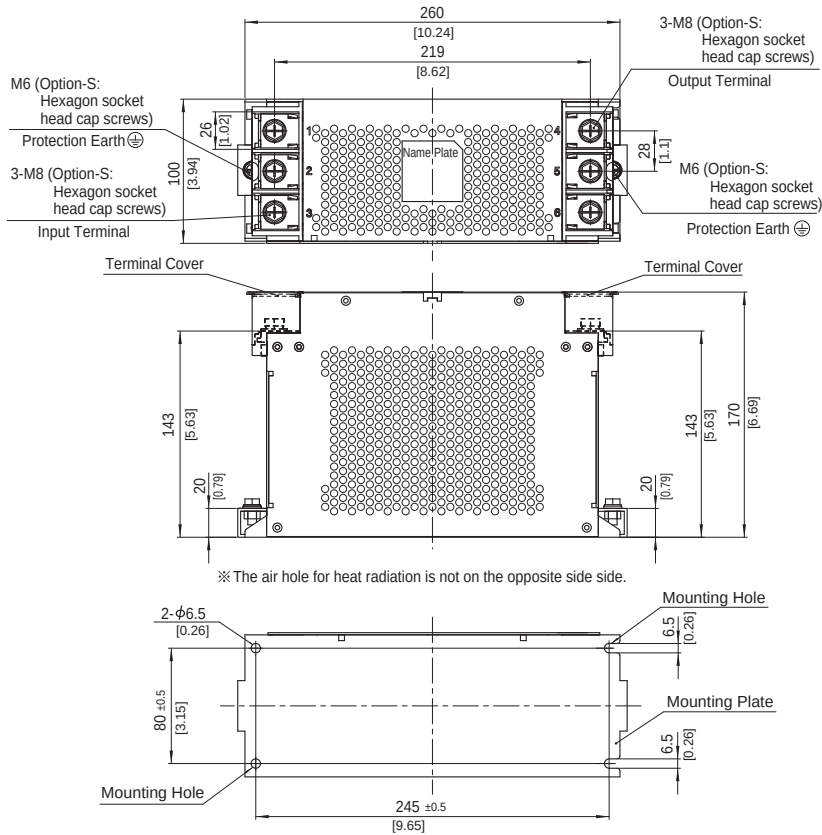
FTA-80 / FTA-100 / FTA-125 with switch of line to ground capacitor ON/OFF



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 3.1kg max
- ※ Mounting Plate : Aluminum $t=2.0$ [0.08]
- ※ Dimensions in mm, []=inches
- ※ Terminal block screw tightening torque
M8 : $9.2\text{N} \cdot \text{m}$ (93.9kgf $\cdot$ cm)max
- ※ Protection Earth (PE) screw tightening torque
M6 : $5.8\text{N} \cdot \text{m}$ (59.2kgf $\cdot$ cm)max
- ※ Can not be mounted upside-down (mounted the top surface)
- ※ Keep free ventilation holes for cooling
- ※ The switch state is OFF at shipping
- ※ Switch status ON : "I", OFF : "O"
- ※ HIGH LEAKAGE CURRENT first connect to earth

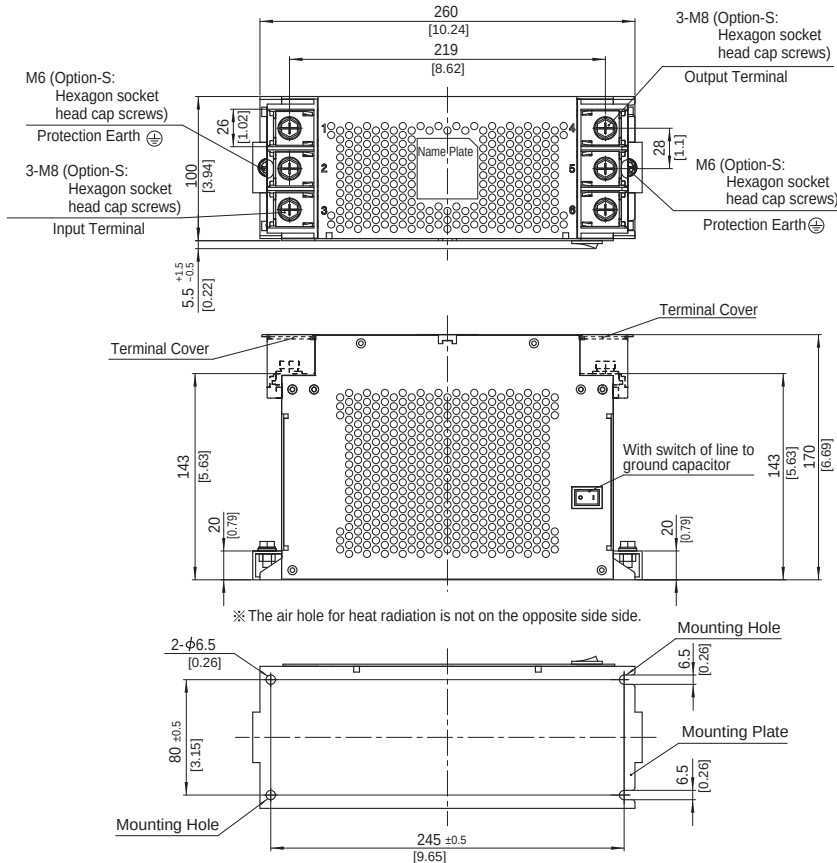
External view

FTA-150



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 4.2kg max
- ※ Mounting Plate : Aluminum $t=2.0$ [0.08]
- ※ Dimensions in mm, []=inches
- ※ Terminal block screw tightening torque
M8 : $9.2\text{N} \cdot \text{m}$ (93.9kgf $\cdot$ cm)max
- ※ Protection Earth (PE) screw tightening torque
M6 : $5.8\text{N} \cdot \text{m}$ (59.2kgf $\cdot$ cm)max
- ※ Can not be mounted upside-down
(mounted the top surface)
- ※ Keep free ventilation holes for cooling

FTA-150 with switch of line to ground capacitor ON/OFF



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 4.2kg max
- ※ Mounting Plate : Aluminum $t=2.0$ [0.08]
- ※ Dimensions in mm, []=inches
- ※ Terminal block screw tightening torque
M8 : $9.2\text{N} \cdot \text{m}$ (93.9kgf $\cdot$ cm)max
- ※ Protection Earth (PE) screw tightening torque
M6 : $5.8\text{N} \cdot \text{m}$ (59.2kgf $\cdot$ cm)max
- ※ Can not be mounted upside-down
(mounted the top surface)
- ※ Keep free ventilation holes for cooling
- ※ The switch state is OFF at shipping
- ※ Switch status ON : "I", OFF : "O"
- ※ HIGH LEAKAGE CURRENT
first connect to earth

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

[FTA-100-104](#) [FTA-100-104-H](#) [FTA-100-104-HS](#) [FTA-100-104-S](#) [FTA-100-155](#) [FTA-80-683-S](#) [FTA-80-223-H](#) [FTA-80-223-HS](#) [FTA-80-223-S](#) [FTA-80-683](#) [FTA-80-683-H](#) [FTA-80-683-HS](#) [FTA-80-104-S](#) [FTA-80-155](#) [FTA-80-155-H](#) [FTA-80-155-HS](#) [FTA-80-155-S](#) [FTA-80-223](#) [FTA-150-683-H](#) [FTA-150-683-HS](#) [FTA-150-683-S](#) [FTA-80-104](#) [FTA-80-104-H](#) [FTA-80-104-HS](#) [FTA-150-155-S](#) [FTA-150-223](#) [FTA-150-223-H](#) [FTA-150-223-HS](#) [FTA-150-223-S](#) [FTA-150-683](#) [FTA-150-104-H](#) [FTA-150-104-HS](#) [FTA-150-104-S](#) [FTA-150-155](#) [FTA-150-155-H](#) [FTA-150-155-HS](#) [FTA-100-223-S](#) [FTA-100-683](#) [FTA-100-683-H](#) [FTA-100-683-HS](#) [FTA-100-683-S](#) [FTA-150-104](#) [FTA-100-155-H](#) [FTA-100-155-HS](#) [FTA-100-155-S](#) [FTA-100-223](#) [FTA-100-223-H](#) [FTA-100-223-HS](#)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9