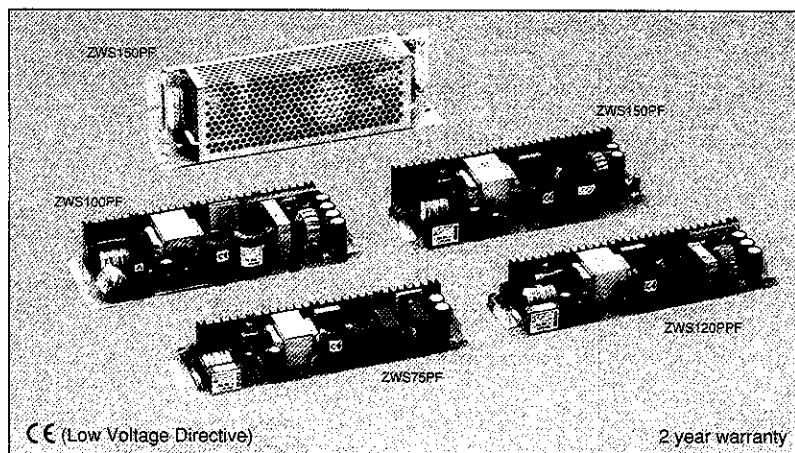


ZWS-PF-SERIES

Single output 75W ~ 150W

LAMBDA
DENSEI-LAMBDA

PC Board Type Power Supply



Model name

ZWS 100PF-5/

Series Name

Output
Wattage

Passive
Filter
contained

Output
Voltage

Option

blank: Molex connector, PCB type
(JST connector for 120PPF)
A: Molex connector, with-cover type
(JST connector for 120PPF)
J: JST connector, PCB type
JA: JST connector, with-cover type

Features

- CE marking (Low Voltage Directive)
- Passive Filter contained, PFHC type
- Applicable to peak output wattage 120%
(200% for ZWS120PPF)
- Low Cost!!
- Equipped with output variable voltage

CE (Low Voltage Directive)

2 year warranty

Specifications

1. Input voltage range	85~132VAC/170~265VAC (47~63Hz) auto-selectable
2. Output Voltage range	± 10%
3. Cooling	Convection cooling
4. Operating ambient temperature (Standard mounting)	ZWS100PF -10°C~+50°C:100%, +60°C:60% ZWS120PPF -10°C~+50°C:100%, +60°C:70% ZWS150PF Convection cooling -10°C~+30°C:100%, +40°C:80%, +60°C:50% Forced air cooling -10°C~+50°C:100%, +60°C:70% (0.7m/s)
5. Withstand voltage	Input-output : 3kVAC (20mA) , Input-chassis : 2kVAC (20mA) , Output-chassis : 500VAC (100mA) for 1 min
6. Safety standard	Approved by UL1950  , CSA950(C-UL)  , EN60950(TUV) 
7. CE marking	Conforms to low voltage directive
8. EMI	Meets to EN55011-B, EN55022-B, FCC-B, VCCI-B
9. Immunity	Meets to EN50082-2(EN61000-4-2, -3, -4, -5, -6)
10. PFHC	Meets to EN61000-3-2 ZWS75PF, ZWS100PF (Input power: over 50W) ZWS120PPF, ZWS150PF (Input power: over 75W)
11. Functions	Over voltage protection, Over current protection

Product lineup

Note 1

Model name	Nominal output voltage	Max. output current	Max. peak output current	Max. output power	UL	CSA	EN
ZWS75PF	ZWS75PF-3	3.3V	15A	18A	49.5W	○	○
	ZWS75PF-5	5V	15A	18A	75W	○	○
	ZWS75PF-12	12V	6.3A	7.5A	76W	○	○
	ZWS75PF-15	15V	5A	6A	75W	○	○
	ZWS75PF-24	24V	3.2A	3.8A	76.8W	○	○
	ZWS75PF-36	36V	2.1A	2.5A	75.6W	○	○
ZWS100PF	ZWS75PF-48	48V	1.6A	1.9A	76.8W	○	○
	ZWS100PF-3	3.3V	20A	24A	66W	○	○
	ZWS100PF-5	5V	20A	24A	100W	○	○
	ZWS100PF-12	12V	8.5A	10A	102W	○	○
	ZWS100PF-15	15V	6.7A	8A	100.5W	○	○
	ZWS100PF-24	24V	4.3A	5A	103.2W	○	○
ZWS120PPF	ZWS100PF-36	36V	2.8A	3.4A	100.8W	○	○
	ZWS100PF-48	48V	2.1A	2.5A	100.8W	○	○
	ZWS120PPF-24	24V	5A	10A	120W	○	○
ZWS150PF	ZWS120PPF-36	36V	3.4A	6.7A	122.4W	○	○
	ZWS150PF-3	3.3V	30A	36A	99W	○	○
	ZWS150PF-5	5V	30A	36A	150W	○	○
	ZWS150PF-12	12V	12.5A	15A	150W	○	○
	ZWS150PF-15	15V	10A	12A	150W	○	○
	ZWS150PF-24	24V	6.3A	7.5A	151.2W	○	○
	ZWS150PF-36	36V	4.2A	5A	151.2W	○	○
	ZWS150PF-48	48V	3.2A	3.8A	153.6W	○	○

Note1 : Duration at peak current 10 seconds max. (Duty : 0.35 max.)

● Based on the data under normal installation and without cover type. Needs output derating according to installation method or ambient temperature condition.

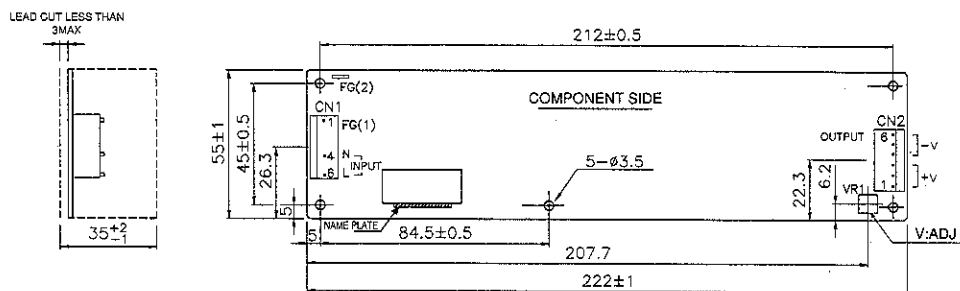
○ : Safety standard approved

△ : Conforms to safety standard

ZWS-PF-SERIES

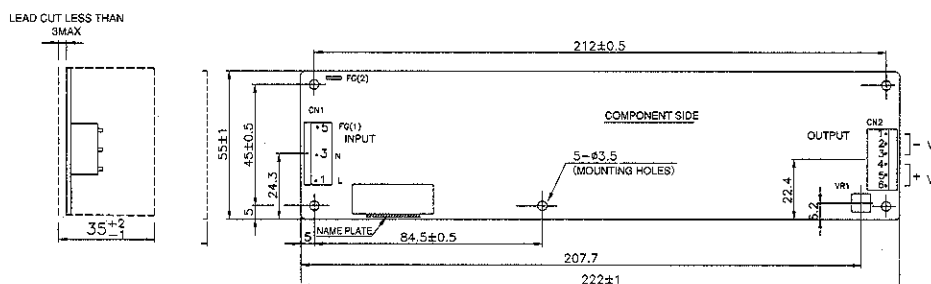
LAMBDA
DENSEI-LAMBDA

■ ZWS75PF (STD Model:MOLEX connector)



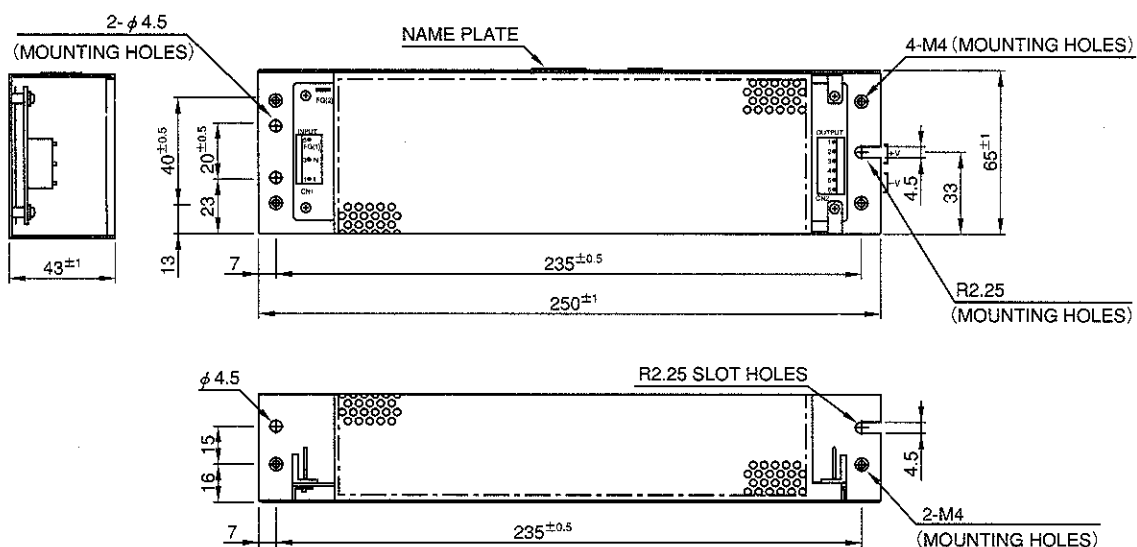
(Unit: mm)

■ ZWS75PF (/J Type: JST connector)



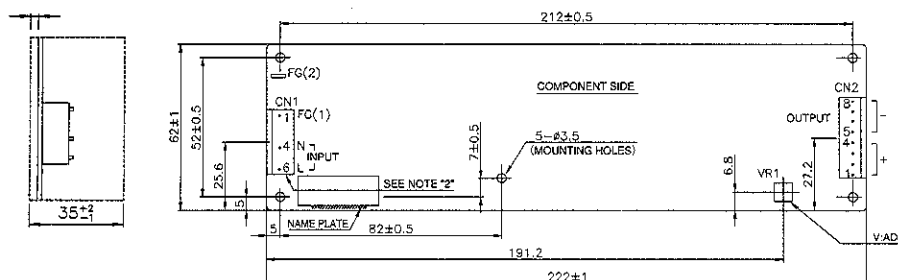
(Unit: mm)

■ ZWS75PF (/JA Type : With-cover Type JST connector)



(Unit: mm)

■ ZWS100PF (STD Model:MOLEX connector)

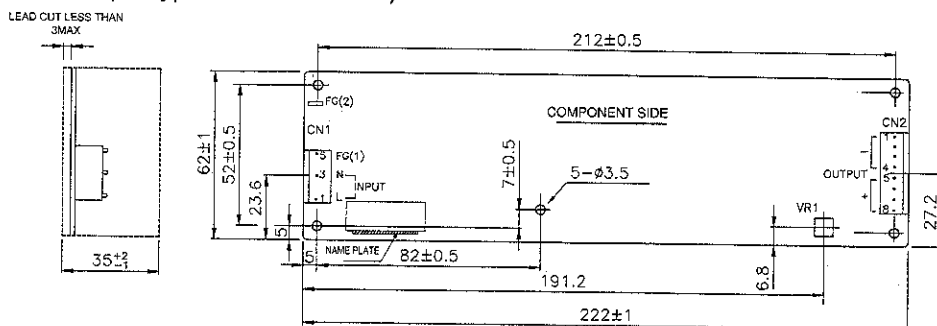


(Unit: mm)

ZWS-PF-SERIES

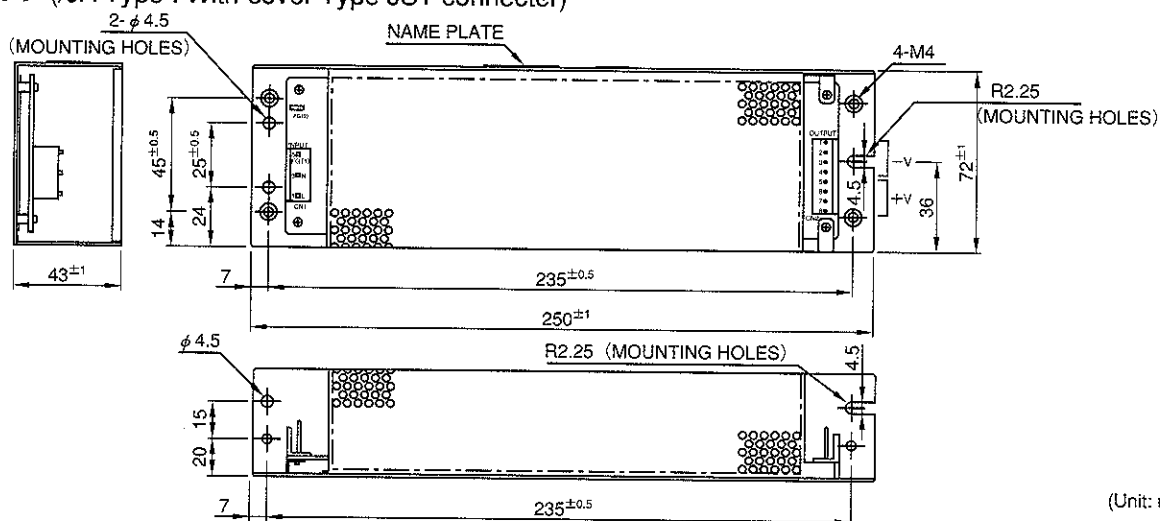
LAMBDA
DENSEI-LAMBDA

■ ZWS100PF (/J Type: JST connector)



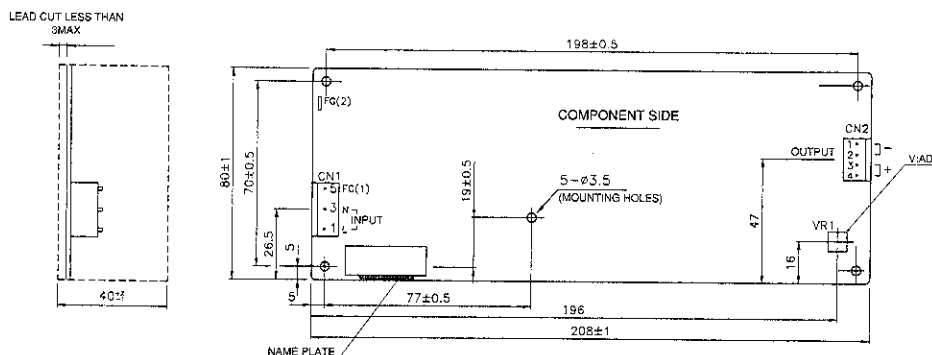
(Unit: mm)

■ ZWS100PF (/JA Type : With-cover Type JST connector)



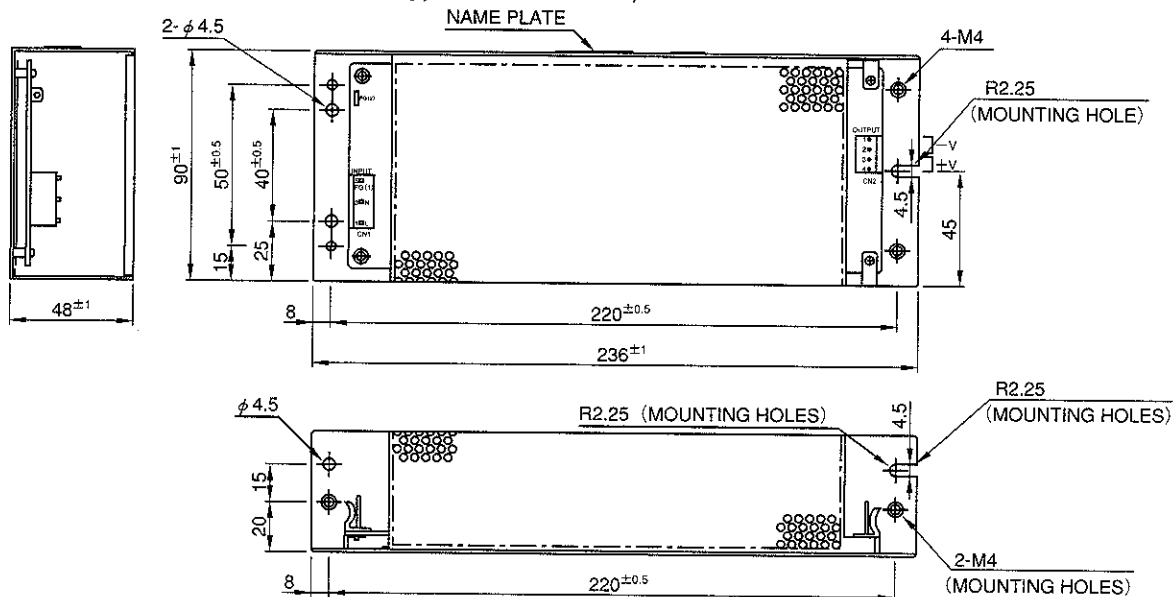
(Unit: mm)

■ ZWS120PPF (STD Model:JST connector)



(Unit: mm)

■ ZWS120PPF (/A Type : With-cover Type JST connector)

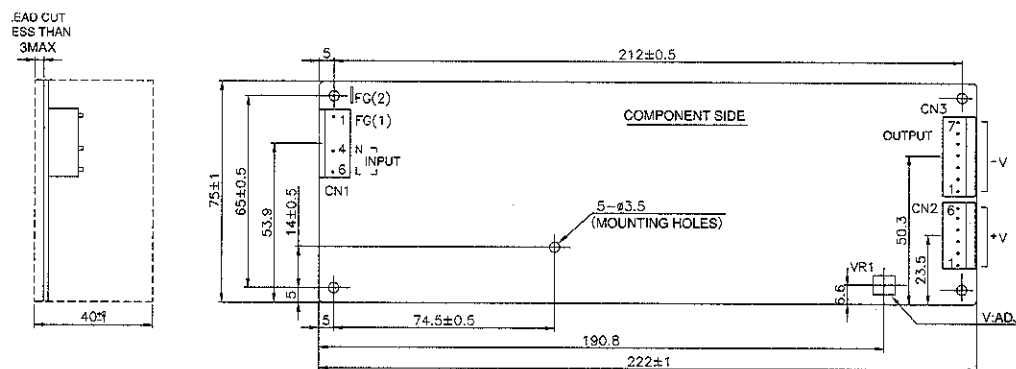


(Unit: mm)

ZWS-PF-SERIES

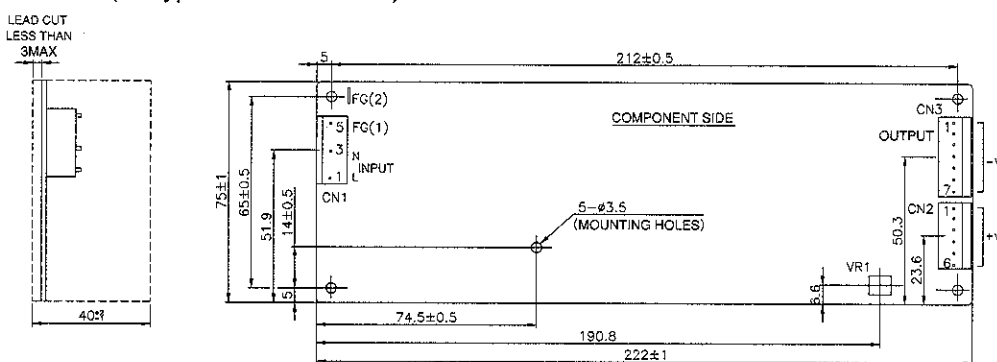
LAMBDA
DENSEI-LAMBDA

■ ZWS150PF (STD Model:MOLEX connector)



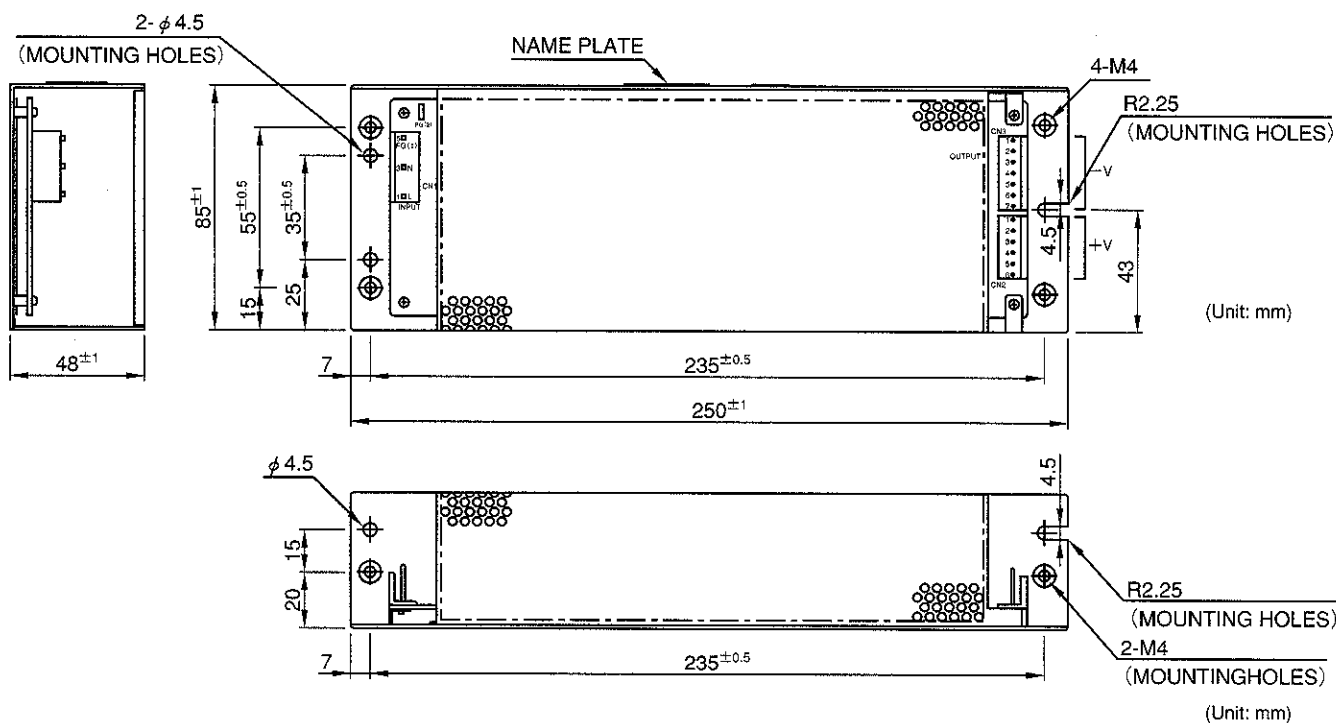
(Unit: mm)

■ ZWS150PF (/J Type: JST connector)



(Unit: mm)

■ ZWS150PF (/JA Type : With-cover Type JST connector)



(Unit: mm)

(Unit: mm)

PC Board Type Power Supply