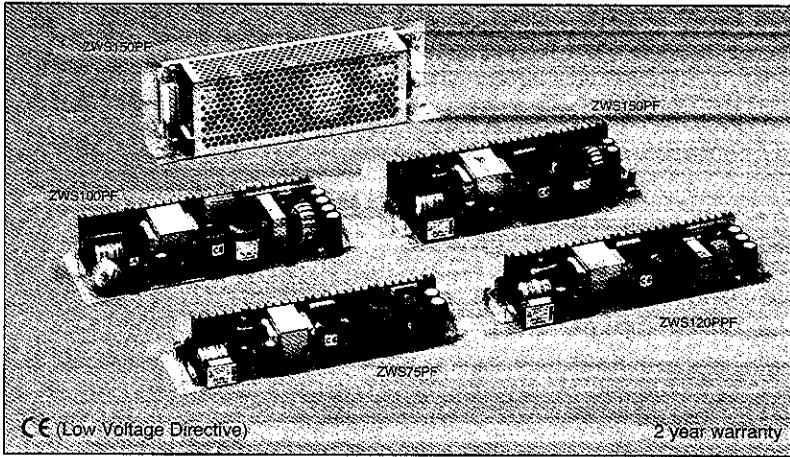


ZWS-PF-SERIES

Single output 75W ~ 150W

LAMBDA
DENSEI-LAMBDA

PC Board Type Power Supply



Model name

ZWS 100PF-5/

Series Name Output Wattle 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

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

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	○	○	○	
	ZWS120PPF-36	36V	3.4A	6.7A	122.4W	○	○	○	
	ZWS150PF	ZWS120PPF-48	48V	3.2A	3.8A	153.6W	○	○	○
		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	○	○	○	

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

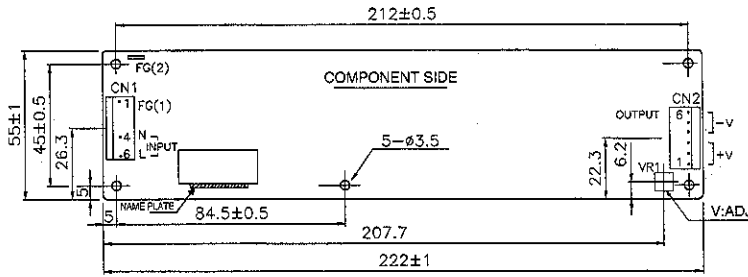
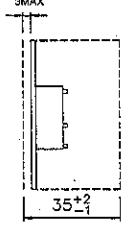
●Based on the data under normal installation and without cover type. Needs output derating according to installation method or ambient temperature condition.

○ : Safety standard approved

ZWS-PF-SERIES

■ ZWS75PF (STD Model:MOLEX connector)

LEAD CUT LESS THAN 3MAX



● Recommended Noise Filter

MAW-1203-22



GO!!
P134

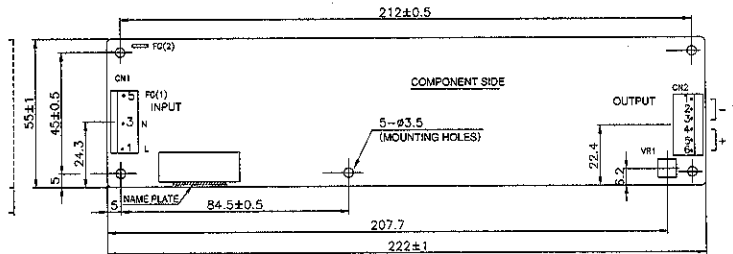
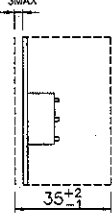
● Recommended Wire harness

P209

(Unit: mm)

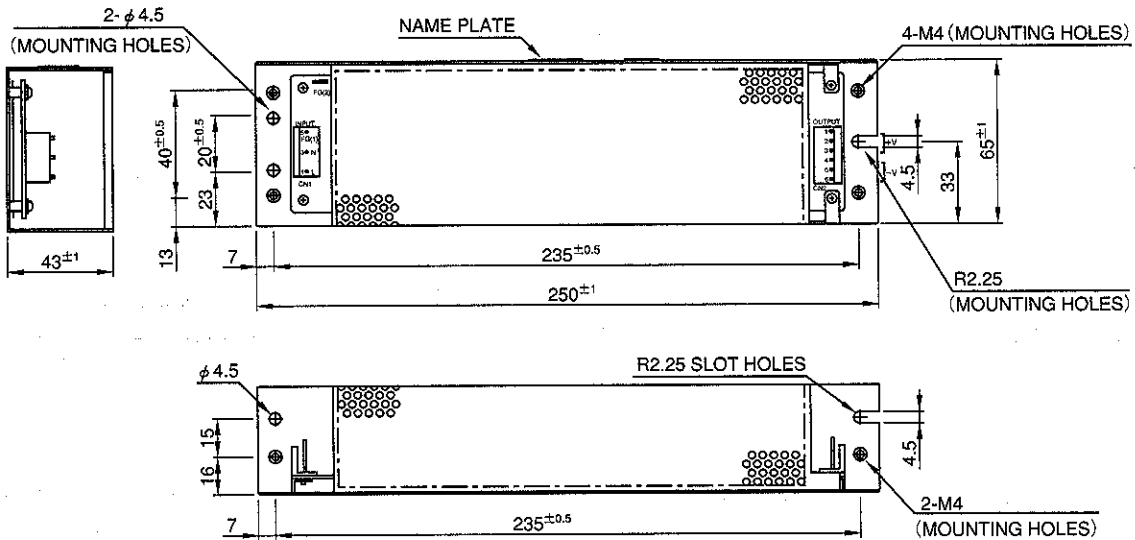
■ ZWS75PF (/J Type: JST connector)

LEAD CUT LESS THAN 3MAX



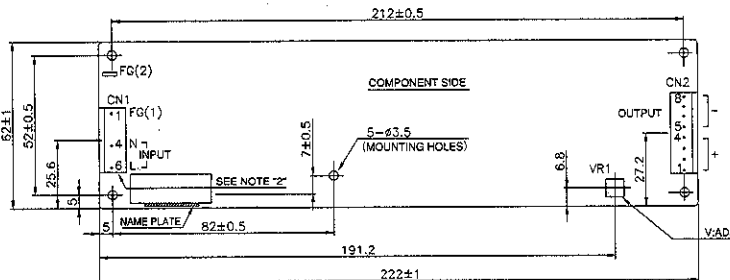
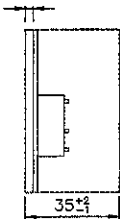
(Unit: mm)

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



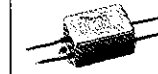
(Unit: mm)

■ ZWS100PF (STD Model:MOLEX connector)



● Recommended Noise Filter

MAW-1203-22



GO!!
P134

● Recommended Wire harness

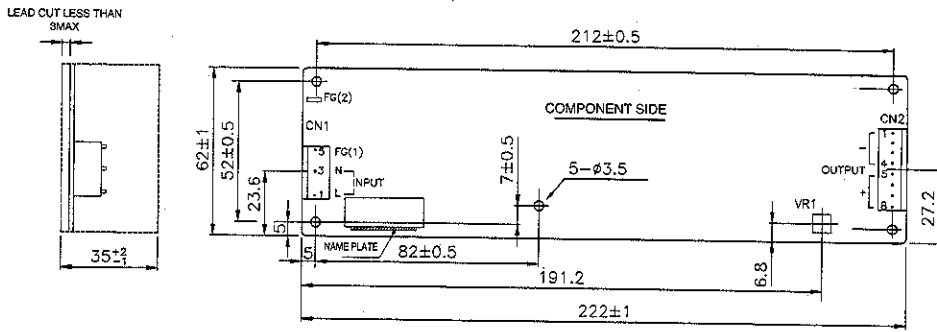
P209

(Unit: mm)

ZWS-PF-SERIES

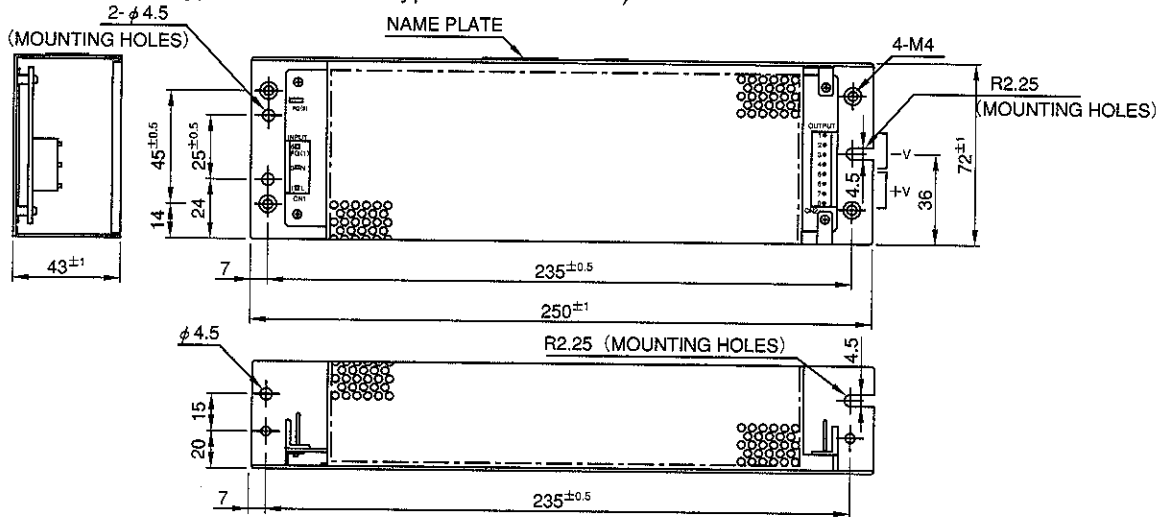
PC Board Type Power Supply

ZWS100PF (/J Type: JST connector)



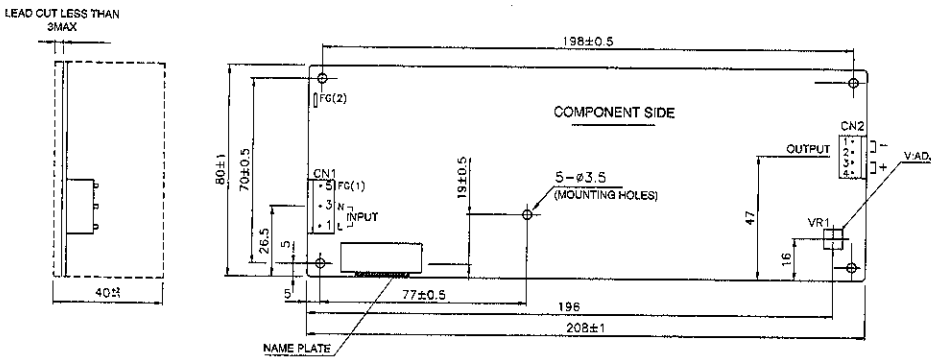
(Unit: mm)

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



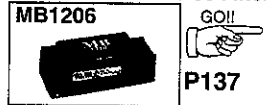
(Unit: mm)

ZWS120PPF (STD Model:JST connector)

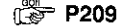


(Unit: mm)

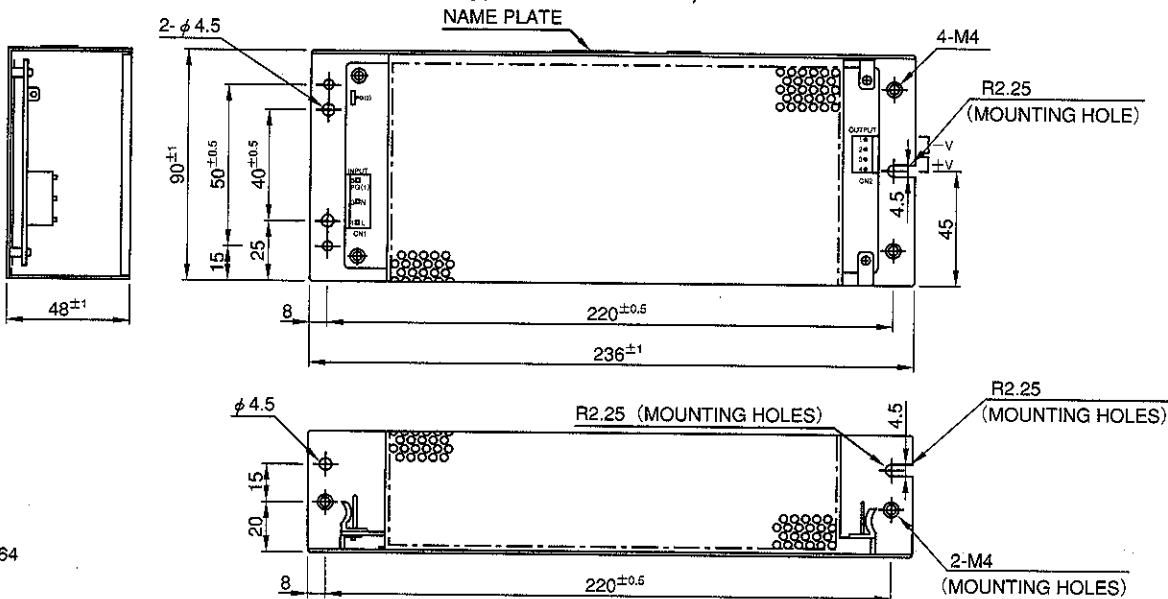
● Recommended Noise Filter



● Recommended Wire harness



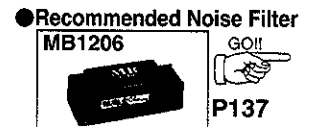
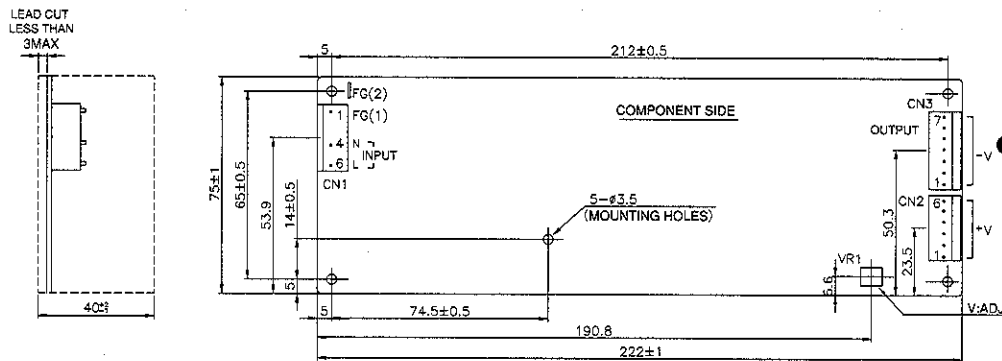
ZWS120PPF (/A Type : With-cover Type JST connector)



(Unit: mm)

ZWS-PF-SERIES

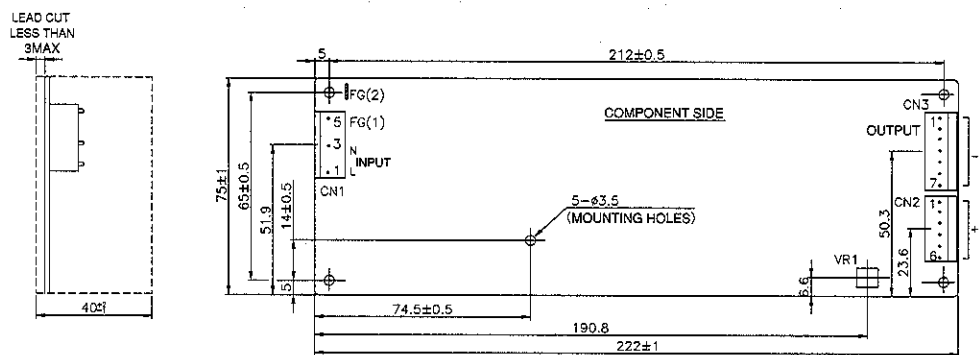
■ ZWS150PF (STD Model:MOLEX connector)



PC Board Type Power Supply

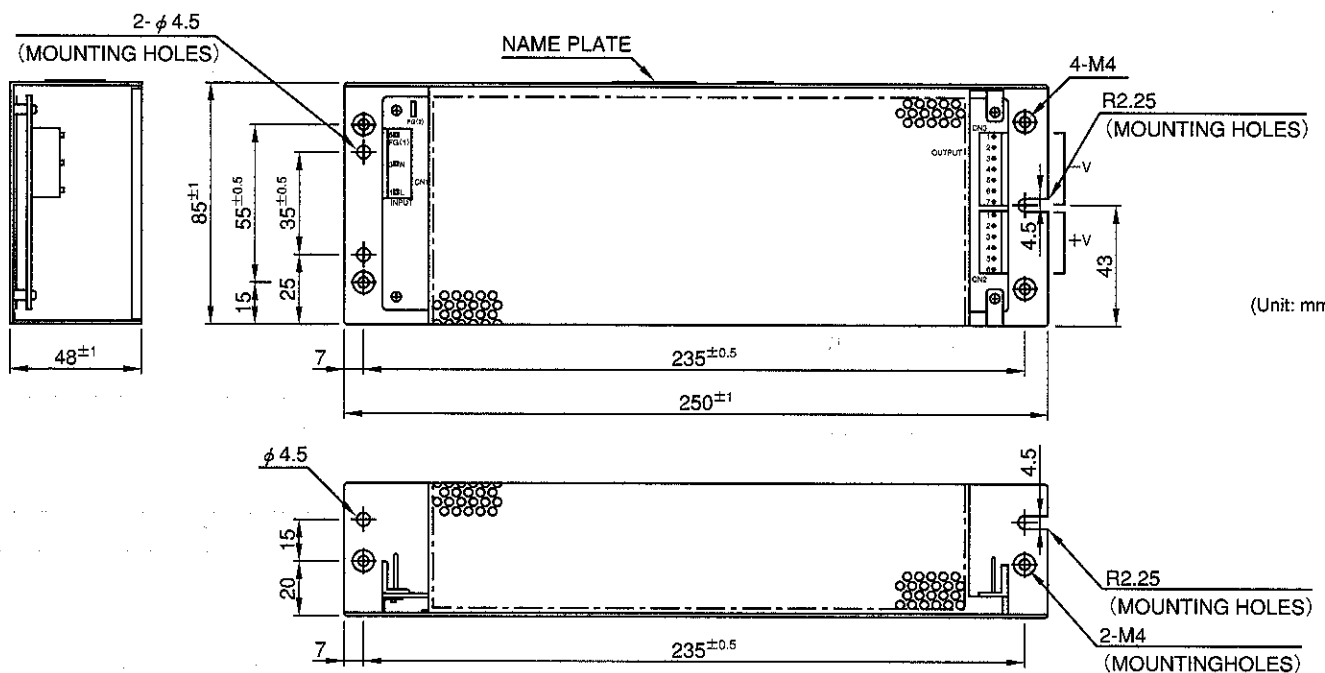
(Unit: mm)

■ ZWS150PF (/J Type: JST connector)



(Unit: mm)

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



(Unit: mm)

(Unit: mm)