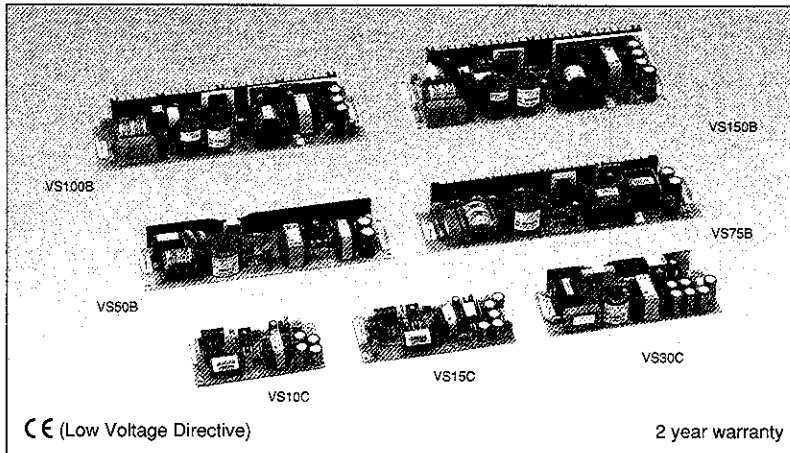


# VS-SERIES

Single output 10W ~ 150W

**LAMBDA**  
DENSEI-LAMBDA

PC Board Type Power Supply



■ Model name  
**VS 100B-24**  
Series Name      Output Wattage      Rated Output Voltage

- Features
- CE marking (Low Voltage Directive)
  - Input: 100VAC(85~132VAC)
  - Single Output:10W,15W,30W,50W,75W,100W,150W
  - Low Cost
  - PCB Type Power Supply
  - Applicable to various use;  
Game, Printer & Communication Terminal Units
  - 2 year warranty

CE (Low Voltage Directive)

2 year warranty

## Specifications

1. Input voltage range	85 ~ 132VAC (47 ~ 440Hz), 110 ~ 175VDC
2. Output voltage range	± 10%
3. Cooling	Convection cooling
4. Operating ambient temperature (Standard mounting)	VS10C~VS100B / -10°C~+60°C(-10°C~+50°C:100%, +60°C:70%) VS50B-24 / -10~+40°C:100%, +50°C:88%,+60°C:62% VS150B / Convection cooling -10°C~+25°C:100%,+35°C:90%,+50°C:80%,+60°C:60% Forced air cooling -10°C~+50°C:100%,+60°C:70% (0.7m/S)
5. Withstand voltage	Input-output: 2kVAC(20mA), input-FG: 2kVAC(20mA), output-FG: 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 FCC-B, VCCI-B
9. Functions	Over voltage protection, Over current protection

## Product lineup

Model name	Nominal output voltage	Max. output current	Max. output power	UL	CSA	EN	
VS10C	VS10C-3	3.3V	2.0A	6.6W	○	○	○
	VS10C-5	5V	2.0A	10.0W	○	○	○
	VS10C-12	12V	0.9A	10.8W	○	○	○
	VS10C-15	15V	0.7A	10.5W	○	○	○
	VS10C-24	24V	0.5A	12.0W	○	○	○
VS15C	VS15C-3	3.3V	3.0A	9.9W	○	○	○
	VS15C-5	5V	3.0A	15.0W	○	○	○
	VS15C-12	12V	1.3A	15.6W	○	○	○
	VS15C-15	15V	1.0A	15.0W	○	○	○
VS30C	VS30C-3	3.3V	6.0A	19.8W	○	○	○
	VS30C-5	5V	6.0A	30.0W	○	○	○
	VS30C-12	12V	2.5A	30.0W	○	○	○
	VS30C-15	15V	2.0A	30.0W	○	○	○
	VS30C-24	24V	1.3A	31.2W	○	○	○
VS30C	VS30C-36	36V	0.9A	32.4W	○	○	○
	VS30C-48	48V	0.7A	33.6W	○	○	○

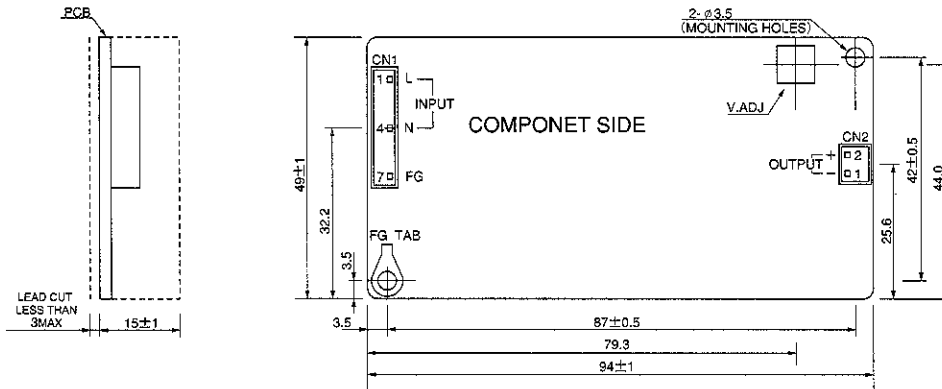
- Note 1: Duration at peak current: 10 seconds max. (Duty: 0.35 max.)
- Based on the data under normal installation. Needs output derating according to installation method or ambient temperature condition.
  - For VS150B, based on the data with forced air cooling (0.7m/s). Needs output derating according to installation method or ambient temperature, or at convection air cooling.

Model name	Nominal output voltage	Max. output current	Max. peak output current	Note 1		UL	CSA	EN	
				Max. output power	Max. peak output power				
VS50B	VS50B-3	3.3V	10.0A	12.0A	33.0W	39.6W	○	○	○
	VS50B-5	5V	10.0A	12.0A	50.0W	60.0W	○	○	○
	VS50B-12	12V	4.3A	5.16A	51.6W	61.92W	○	○	○
	VS50B-15	15V	3.5A	4.2A	52.5W	63.0W	○	○	○
	VS50B-24	24V	2.5A	3.0A	60.0W	72.0W	○	○	○
VS75B	VS75B-3	3.3V	15.0A	18.0A	49.5W	59.4W	○	○	○
	VS75B-5	5V	15.0A	18.0A	75.0W	90.0W	○	○	○
	VS75B-12	12V	6.3A	7.56A	75.6W	90.72W	○	○	○
	VS75B-15	15V	5.0A	6.0A	75.0W	90.0W	○	○	○
	VS75B-24	24V	3.2A	3.84A	76.8W	92.16W	○	○	○
VS100B	VS100B-3	3.3V	20.0A	24.0A	66.0W	79.2W	○	○	○
	VS100B-5	5V	20.0A	24.0A	100.0W	120.0W	○	○	○
	VS100B-12	12V	8.5A	10.2A	102.0W	122.4W	○	○	○
	VS100B-15	15V	7.0A	8.4A	105.0W	126.0W	○	○	○
	VS100B-24	24V	4.3A	5.16A	103.2W	123.84W	○	○	○
VS150B	VS150B-3	3.3V	30.0A	36.0A	99.0W	118.8W	○	○	○
	VS150B-5	5V	30.0A	36.0A	150.0W	180.0W	○	○	○
	VS150B-12	12V	12.5A	15.0A	150.0W	180.0W	○	○	○
	VS150B-15	15V	10.0A	12.0A	150.0W	180.0W	○	○	○
	VS150B-24	24V	6.3A	7.56A	151.2W	181.44W	○	○	○
VS150B	VS150B-36	36V	4.2A	5.04A	151.2W	181.44W	○	○	○
	VS150B-48	48V	3.2A	3.84A	153.6W	184.32W	○	○	○

○ : Safety standard approved  
△ : Conforms to safety standard

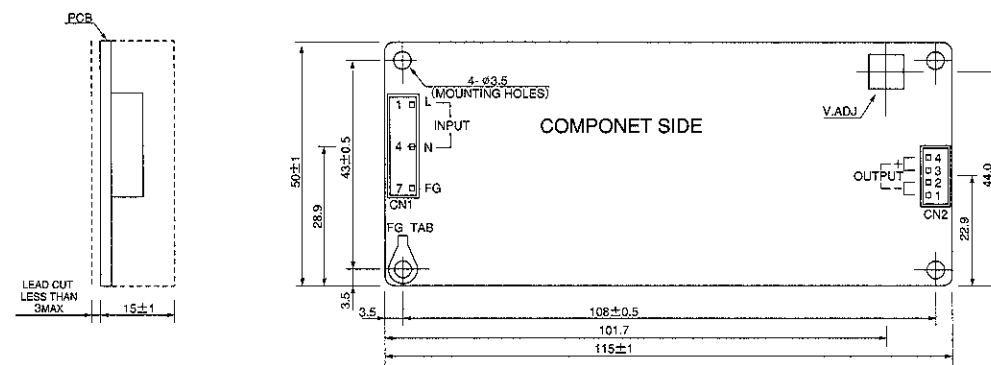
# VS-SERIES

## ■ VS10C



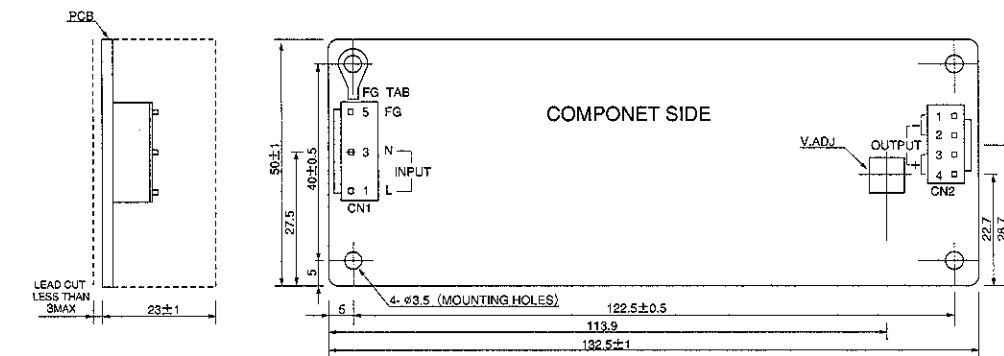
(Unit: mm)

## ■ VS15C



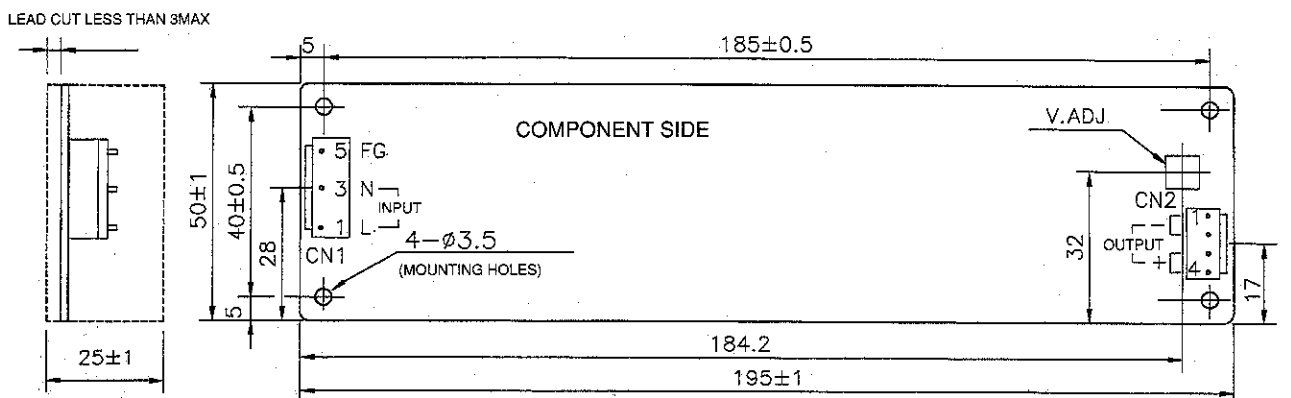
(Unit: mm)

## ■ VS30C



(Unit: mm)

## ■ VS50B



Height: 25mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

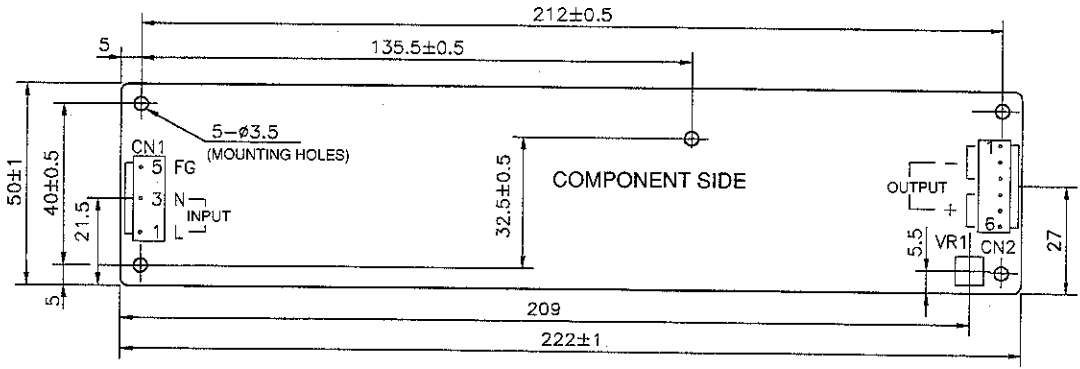
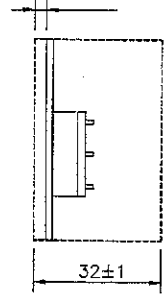
(Unit: mm)

# VS-SERIES

**LAMBDA**  
DENSEI-LAMBDA

## ■ VS75B

LEAD CUT LESS THAN 3MAX



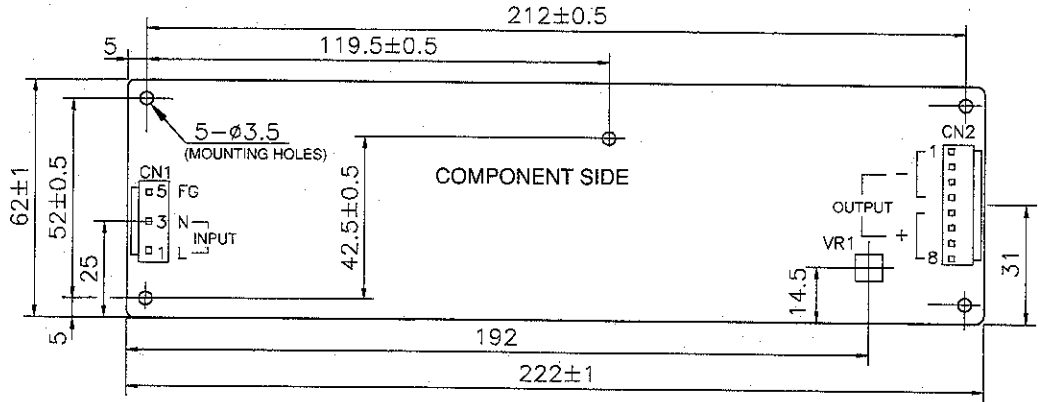
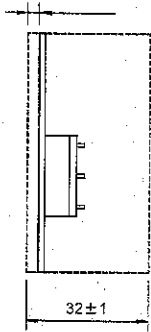
Height: 32mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

(Unit: mm)

PC Board Type Power Supply

## ■ VS100B

LEAD CUT LESS THAN 3MAX

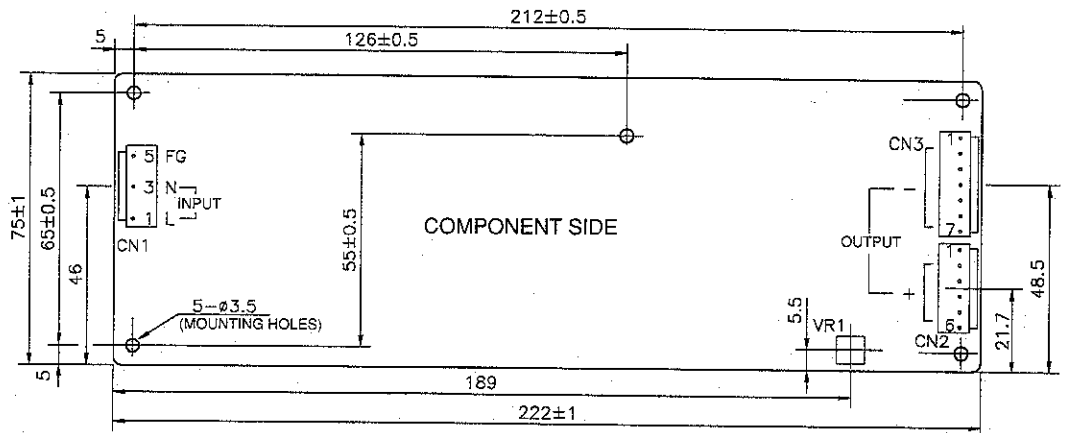
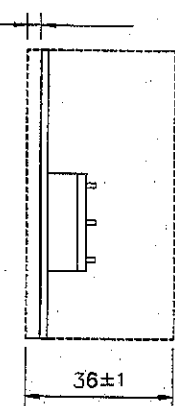


Height: 32mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

(Unit: mm)

## ■ VS150B

LEAD CUT LESS THAN 3MAX

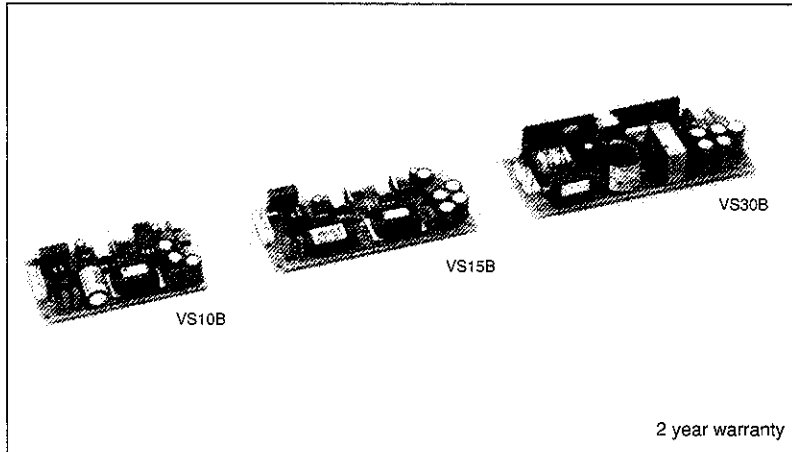


Height: 36mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

(Unit: mm)

# VS-B-SERIES

Single output 10W ~ 30W



## Model name

# VS 30B-5

Series Name      Output power:  
3 models in 10W ~ 30W

output voltage: 7 kinds in lineup  
3 (3.3V) ~ 48 (48V)

## Features

- Compact, general purpose power supply  
Input: 85~132VAC
- Applicable to peak current load
- Noise terminal voltage: VCCI-B, conforms to FCC-B
- 2 year warranty

## Specifications

1. Input voltage range	85 ~ 132VAC (47 ~ 440Hz), 110 ~ 175VDC
2. Output voltage range	± 10%
3. Cooling	Convection cooling
4. Operating ambient temperature (Standard mounting)	-10 ~ +60°C : 100%, -10 ~ +50°C : 100%, +60°C : 70%
5. Withstand voltage	Input-output: 2kVAC, input-FG: 2kVAC, output-FG: 500VAC for 1 min.
6. Safety standard	Approved by UL1950  and CSA950
7. EMI	Conforms to VCCI-class B and FCC class B
8. Functions	Over voltage protection, Over current protection,

## Product lineup

Model name	Nominal output voltage	Max. output current	Note 1		Note 1		UL	CSA
			Max. peak output current	Max. output power	Max. peak output power			
VS10B	VS10B-3	3.3V	2.0A	2.4A	6.6W	7.92W	○	○
	VS10B-5	5V	2.0A	2.4A	10.0W	12W	○	○
	VS10B-12	12V	0.85A	1.02A	10.2W	12.24W	○	○
	VS10B-15	15V	0.7A	0.84A	10.5W	12.6W	○	○
	VS10B-24	24V	0.45A	0.54A	10.8W	12.96W	○	○
VS15B	VS15B-3	3.3V	3.0A	3.6A	9.9W	11.88W	○	○
	VS15B-5	5V	3.0A	3.6A	15.0W	18W	○	○
	VS15B-12	12V	1.25A	1.5A	15.0W	18W	○	○
	VS15B-15	15V	1.0A	1.2A	15.0W	18W	○	○
	VS15B-24	24V	0.65A	0.78A	15.6W	18.72W	○	○
VS30B	VS30B-3	3.3V	6.0A	7.2A	19.8W	23.76W	○	○
	VS30B-5	5V	6.0A	7.2A	30.0W	36W	○	○
	VS30B-12	12V	2.5A	3.0A	30.0W	36W	○	○
	VS30B-15	15V	2.0A	2.4A	30.0W	36W	○	○
	VS30B-24	24V	1.3A	1.56A	31.2W	37.44W	○	○

Note 1: Duration at peak current: 10 seconds max. (Duty: 0.35 max.)

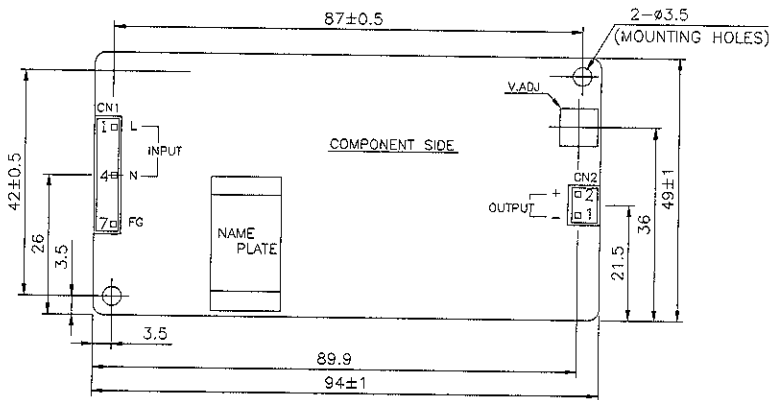
- This is an outline of this model.
- Please request supply specification of each product for further details of physical or electrical specification.
- Please read manuals carefully before the use.
- Contact us about delivery before ordering.

○ : Safety standard approved  
△ : Conforms to safety standard

# VS-B-SERIES

PC Board Type Power Supply

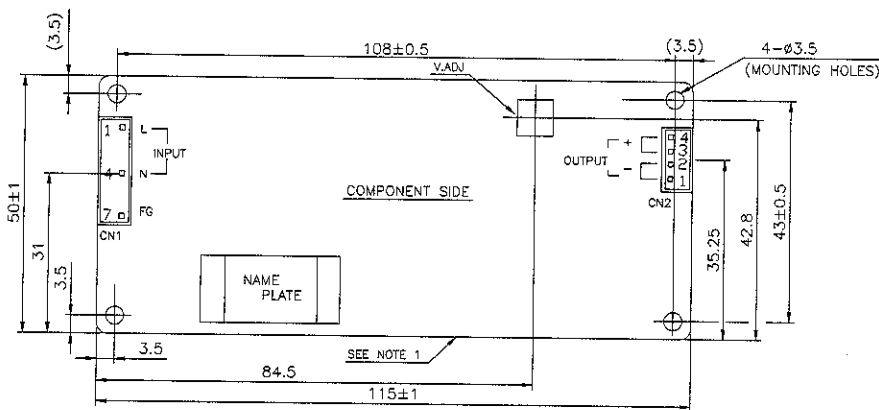
## ■ VS10B (10W Type)



Height: 17mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

(Unit: mm)

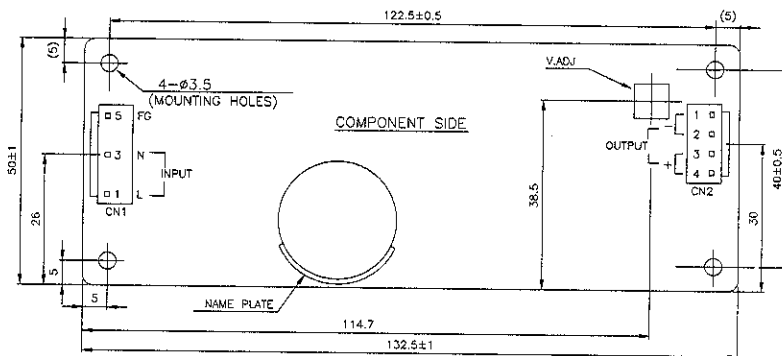
## ■ VS15B (15W Type)



Height: 17mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

(Unit: mm)

## ■ VS30B (30W Type)



Height: 25mm  
Height also includes 3mm of parts lead length for PC board soldering surface.

(Unit: mm)