

# PAH75D-SERIES

75W Dual Output



2 year warranty

## Model name

**PAH 75 D 48-5033/**

Series Name: PAH 75 D  
Output type: D: Dual type  
Output Wattage: 75W  
Rated output voltage: CH1: 5V, CH2: 3.3V  
Rated input voltage: 48VDC  
Option:  
blank: On/Off control minus logic, OVP manual reset  
P: On/Off control plus logic, OVP manual reset  
V: On/Off control minus logic, OVP auto-recovery  
PV: On/Off control plus logic, OVP auto-recovery  
Z: Trim compatible type (PAH75D48-3325, -5033)

## Features

- Half-brick Dual Output DC-DC Power Module
- Standardized pin disposition and size for "Half-Brick" DC-DC Converter in European and American telecom industries applied
- High power density achieved by our original ASIC and sophisticated design
- Wide input voltage range: DC36 ~ 76V
- Wide operation temperature range:
  - 1) Base plate temperature range: -40 ~ +100°C
  - 2) Conduction cooling system available for adjusting radiating method conforming to the shape of the devices
- Various Option
  - 1) On/Off control (plus logic/minus logic)
  - 2) Overvoltage protection reset (auto-recovery/manual reset)
- 2 year warranty

Power Module

## Specifications

1. Input voltage range	PAH75D24: 18 ~ 36VDC, PAH75D48: 36 ~ 76VDC
2. Output voltage range	± 10%
3. Parallel operation	-
4. Line regulation	0.2%, within nominal input voltage range at constant load
5. Load regulation	0.5%, no load to full load at constant input voltage
6. Cooling	Conduction cooling
7. Operating ambient temperature	-40°C ~ +100°C (Baseplate) Ambient temperature min=-40°C Output Derating : -40 ~ +100°C (Baseplate) 100%
8. Withstand voltage	Input-output : 1.5kVAC (20mA) , Input-chassis : 1.5kVAC (20mA) , Output-chassis : 500VAC (100mA) for 1 min
9. Safety standard	Approved by UL1950 , CSA950(C-UL)  and EN60950(BSI)
10. CE marking	Conforms to low voltage directive
11. Functions	Over voltage protection, Over current protection, Remote on/off control

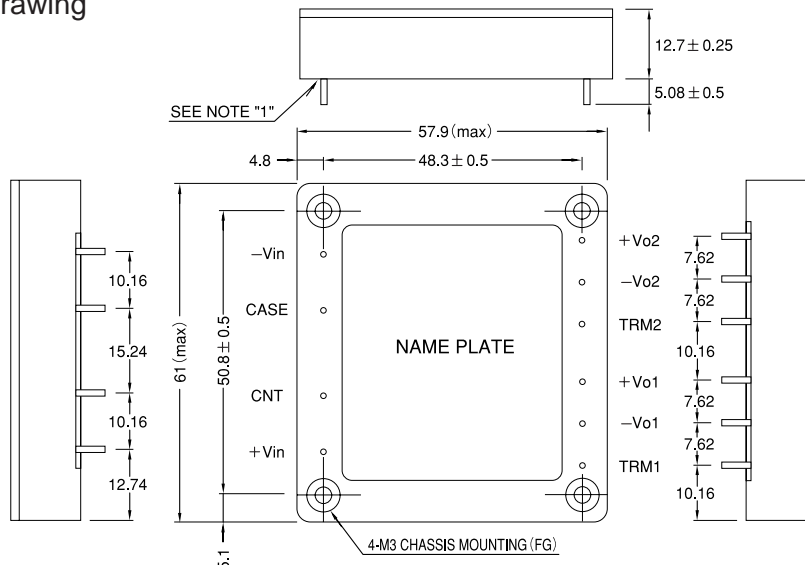
## Product lineup

Model name	CH	Output voltage	Output current	Output power	UL	CSA	EN
PAH75D24-3325 (input 24VDC)	CH1(Vo1)	3.3V	15.0A	60W	○	○	○
	CH2(Vo2)	2.5V	15.0A				
PAH75D24-5033 (input 24VDC)	CH1(Vo1)	5.0V	15.0A	75W	○	○	○
	CH2(Vo2)	3.3V	15.0A				
PAH75D48-2518 (input 48VDC)	CH1(Vo1)	2.5V	15.0A	45W	○	○	○
	CH2(Vo2)	1.8V	15.0A				
PAH75D48-3318 (input 48VDC)	CH1(Vo1)	3.3V	15.0A	50W	○	○	○
	CH2(Vo2)	1.8V	15.0A				
PAH75D48-3325 (input 48VDC)	CH1(Vo1)	3.3V	15.0A	60W	○	○	○
	CH2(Vo2)	2.5V	15.0A				
PAH75D48-5033 (input 48VDC)	CH1(Vo1)	5.0V	15.0A	75W	○	○	○
	CH2(Vo2)	3.3V	15.0A				

- Request customer specification for further details of specifications, outline, characteristics, etc. Read the instruction manual before usage.
- Contact us about delivery before ordering.

○ : Safety standard approved

## Outline drawing



Note 1: Input & output terminal.....10-ø1

(Unit: mm)

● Recommended Heatsink P213

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