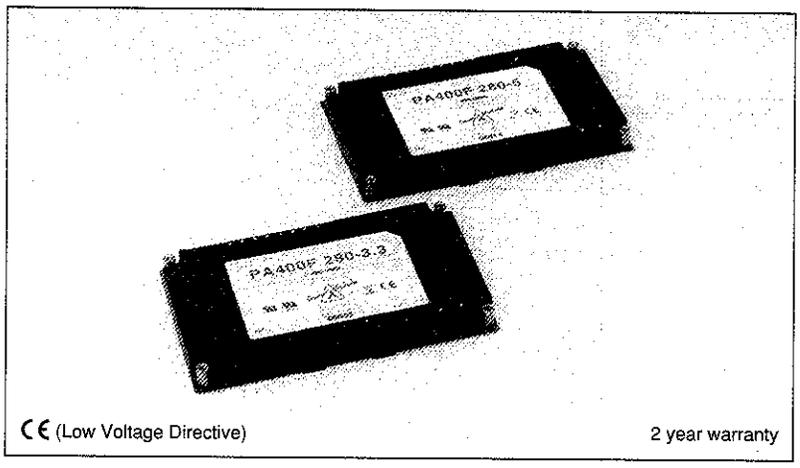
PA400F280-SERIES

Single output DC-DC power module
Low Voltage & Large output Current

LAMBDA
DENSEI-LAMBDA



CE (Low Voltage Directive) 2 year warranty

Features

- Low Voltage & Large Current type for the latest semiconductor device (high speed CMOS Logic IC)
  This DC-DC power module has high speed response and low voltage and large current which is required in markets for main computer frame and large computer server.
  1. Low Voltage Output: 1.8VDC (1.0 ~ 2.8V), 3.3VDC (2.2 ~ 4.2V), 5V (2.5 ~ 6V)
  2. Large Output Current: 1.8V100A, 3.3V100A, 5V80A Comply with large output current by N+1 Redundant operation
  3. Over Voltage Protection: provided over voltage adjustment for output voltage OVP can be reset with external signal (Control OFF)
  4. Compact-High Density: 41W/inch³ (5V400W output type)
- Operational Circumstances
  1. DC200 ~ 400V input voltage range to be suitable for DC voltage supply
  2. Baseplate Temperature: up to +85°C (–20 ~ +85°C)
  3. Conduction Cooling Matched to enable to arrange thermal radiation method according to a form of end use equipment

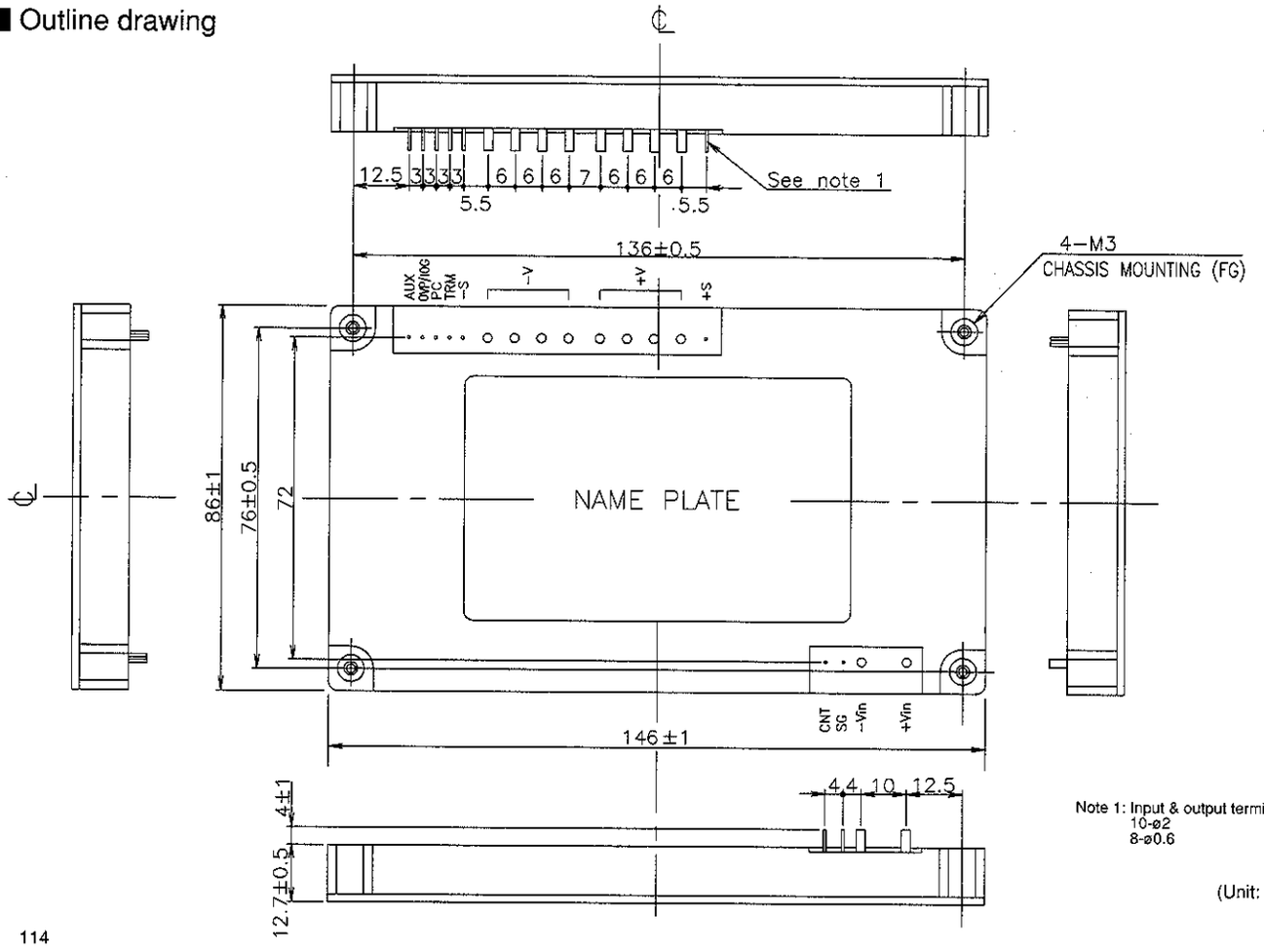
Safety standard

1. CE marked for LVD (Low Voltage Directive)
2. Safety Approval: UL1950, CSA950 (C-UL), EN60950 (BSI)

Specifications

Model name	PA400F280–1.8	PA400F280–3.3	PA400F280–5
1. Nominal output voltage	1.8V	3.3V	5V
2. Maximum output current	100A	100A	80A
3. Nominal output power	180W	330W	400W
4. Input voltage range	200 ~ 400VDC		
5. Output voltage range	1.0 ~ 2.8V	2.2 ~ 4.2V	2.5 ~ 6.0V
6. Maximum line regulation	10mV: at 200 ~ 400VDC input & constant load		
7. Maximum load regulation	10mV: at No load ~ Full load & constant input voltage		
8. Operating temperature	–20°C ~ +85°C (Baseplate) Ambient temperature min. = –20°C		
9. Cooling	Conduction cooling (Heatsink & airflow has to be chosen according to instruction manual)		
10. Withstand voltage	Input to baseplate: 2.5kVAC (20mA), Input to output: 3kVAC (20mA) for 1 minute. Output to baseplate: 500VDC for 1 minute.		
11. Safety standard	Approved by UL1950, CSA950 (C-UL) and EN60950 (BSI)		
12. Functions	OVP, OCP, Remote sensing, Remote on/off control, Inverter good signal (IOG)		

Outline drawing



Note 1: Input & output terminal
10-ø2
8-ø0.6

(Unit: mm)