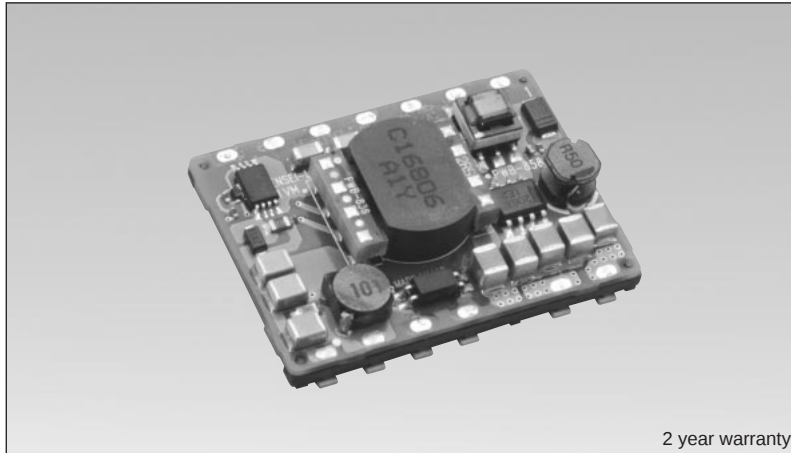


PG10A-SERIES

SMD type Single output DC-DC power module

LAMBDA
DENSEI-LAMBDA



2 year warranty

Model name

PG 10 A 48-1R2

Name of series Output power Nominal input voltage Nominal output voltage

Features

- SMD design (10W type) for lead-free soldering process.
- No heatsink required: convection air cooled operation.
- Parallel operation applicable: capacity increase and redundant operation possible.
- Low output voltage model selectable: 1.2V - 5V (6 types).
- Patent and design registration pending.
- 2 year warranty.

Specifications

1. Input voltage range	DC48V (DC36 ~ 76V)
2. Max. output wattage	10W
3. Rated output voltage	6 types : 1.2V / 1.5V / 1.8V / 2.5V / 3.3V / 5V
4. Output voltage adj range	-5 ~ +5%
5. Efficiency (typ.)	1.2V : 79% / 1.5V : 81% / 1.8V : 82% / 2.5V : 84% / 3.3V : 86% / 5V : 88%
6. Cooling	Convection cooling
7. Operating ambient temperature	-40 ~ +85°C (derating required depending on the temperature condition)
8. Withstand voltage	Input-output isolation type: DC1.5kV, 1 min., between input and output
9. Protection functions	Overcurrent protection, overvoltage protection
10. Standard functions	On/Off control, parallel operation, alarm signal output
11. Safety standards	Approved by UL60950, CSA60950, and EN60950 CE marking applied
12. Dimensions (W×H×D)	28mm × 8.5mm × 37.7mm

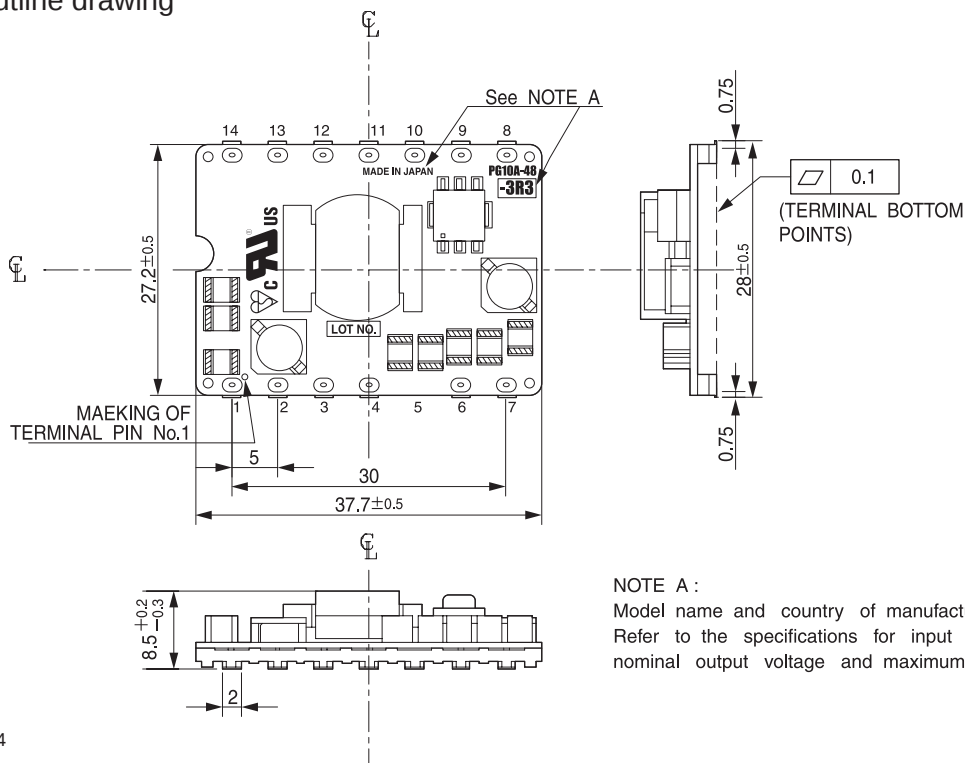
- Request customer specification for further details of specifications, outline, characteristics, etc.
- Read the instruction manual before usage.
- Contact us about delivery before ordering.

Product lineup

Model name	Output voltage	Output current	Output power	UL	CSA	EN
PG10A-48-1R2	1.2V	3.5A	4.20W	○	○	○
PG10A-48-1R5	1.5V	3.5A	5.25W	○	○	○
PG10A-48-1R8	1.8V	3.0A	5.40W	○	○	○
PG10A-48-2R5	2.5V	3.0A	7.50W	○	○	○
PG10A-48-3R3	3.3V	3.0A	9.90W	○	○	○
PG10A-48-5	5.0V	2.0A	10.0W	○	○	○

○ : Safety standard approved

Outline drawing



TM No.	TM Name.
1	-Vin
2	+Vin
3	NC
4	CNT
5	-
6	-Vout
7	+Vout
8	TRM
9	ALM
10	PCout
11	PCin
12	Sin
13	Sout
14	NC

NOTE A :

Model name and country of manufacture will be shown on the PCB. Refer to the specifications for input voltage, nominal output voltage and maximum output current. (Unit: mm)