

**MA
SERIES**
P6IU-XXXXE 3KV ISOLATED 1 W UNREGULATED SINGLE OUTPUT SIP4
Available Inputs:
5, 12 and 24 VDC
Available Outputs:
3.3, 5, 7.2, 12, 15 and 18 VDC

Other specifications please enquire.

Electrical Specifications

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications

Voltage range

+/- 10 %

Filter

Capacitors

Isolation Specifications

Rated voltage

3000 VDC

Leakage current

1 mA

Resistance

 10^9 Ohm

Capacitance

60 pF typ.

Output Specifications

Voltage accuracy

+/- 5 %, max.

Ripple and noise (at 20 MHz BW)

100 mV p-p, max.

Short circuit protection

Momentary

Line voltage regulation

 +/- 1,2 % / 1,0 % of V_{in}

Load voltage regulation

+/- 8 %, load = 20 ~ 100 %

Temperature coefficient

+/- 0,02 % / °C

General Specifications

Efficiency

75 % to 85 %

Switching frequency

80 KHz, typ.

Environmental Specifications

Operating temperature (ambient)

- 40° C to + 85° C

Storage temperature

- 55 °C to + 125 °C

Derating

See graph

Humidity

Up to 90 %, non condensing

Cooling

Free air convection

Physical Characteristics

Dimensions SIP

11,68 x 6,00 x 10,16 mm

0,46 x 0,24 x 0,40 inches

Weight

1,8 g

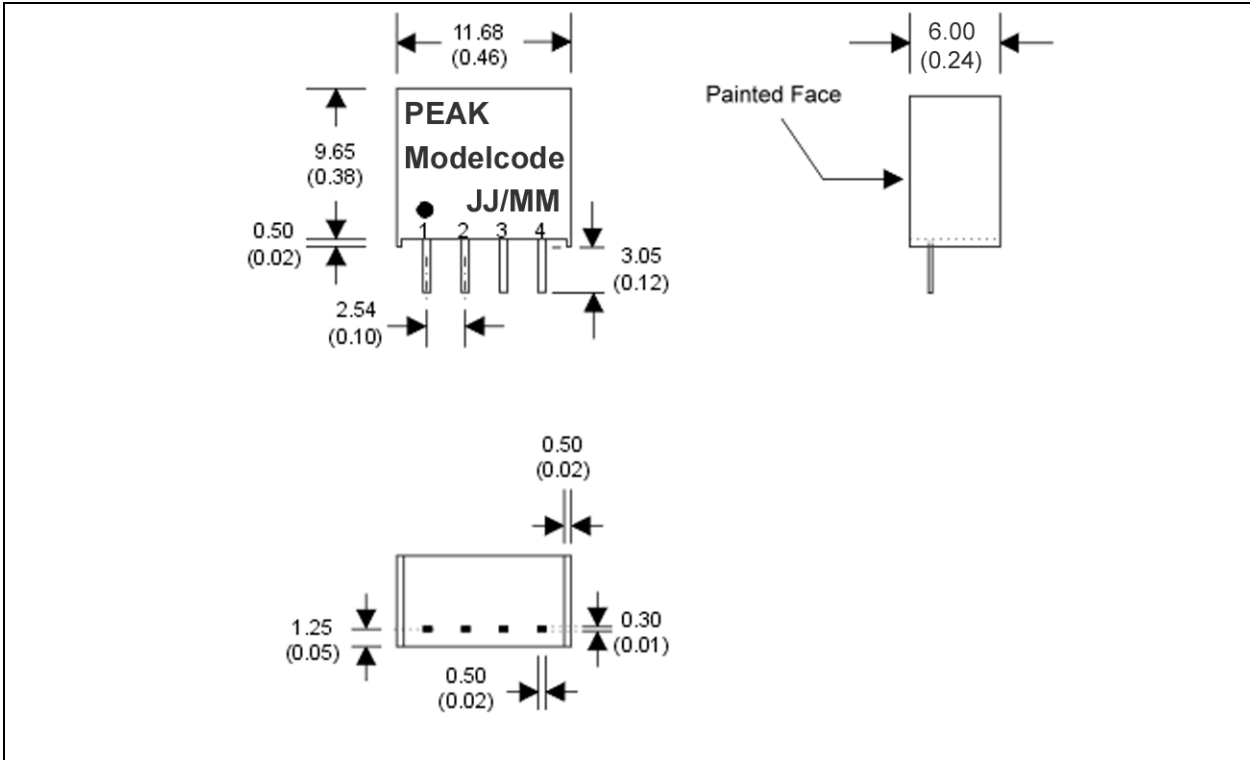
Case material

Non conductive black plastic

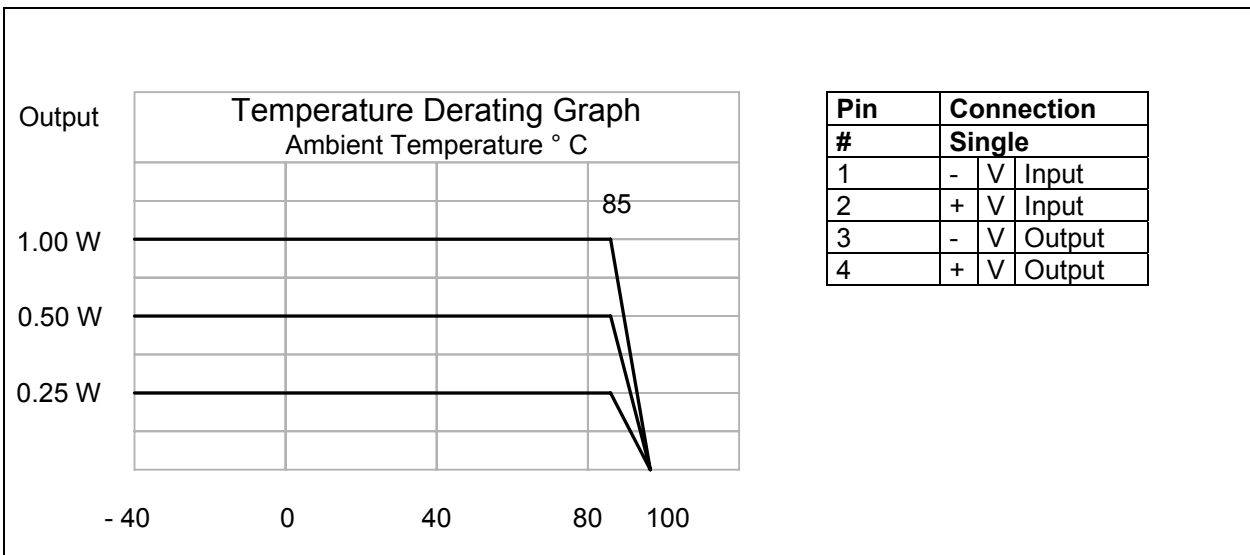
Examples of Partnumbers

| PART NO. | INPUT VOLTAGE (VDC) | INPUT CURRENT NO LOAD | INPUT CURRENT FULL LOAD | OUTPUT VOLTAGE (VDC) | OUTPUT CURRENT (max. mA) | EFFICIENCY FULL LOAD (% TYP.) |
|------------|---------------------|-----------------------|-------------------------|----------------------|--------------------------|-------------------------------|
| P6IU-0505E | 5 | 16 | 277 | 5 | 200 | 72 |
| P6IU-0512E | 5 | 18 | 303 | 12 | 100 | 79 |
| P6IU-0515E | 5 | 20 | 262 | 15 | 70 | 80 |
| P6IU-1205E | 12 | 11 | 119 | 5 | 200 | 70 |
| P6IU-1212E | 12 | 10 | 125 | 12 | 100 | 80 |
| P6IU-2405E | 24 | 6 | 55 | 5 | 200 | 76 |
| P6IU-2412E | 24 | 7 | 65 | 12 | 100 | 77 |
| P6IU-2415E | 24 | 8 | 57 | 15 | 70 | 76 |
| | | | | | | |
| | | | | | | |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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