

MA SERIES P6AU-XXXXE 1KV ISOLATED 1W 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 1000 VDC
Leakage current 1 mA
Resistance 10⁹ 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 Vin
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

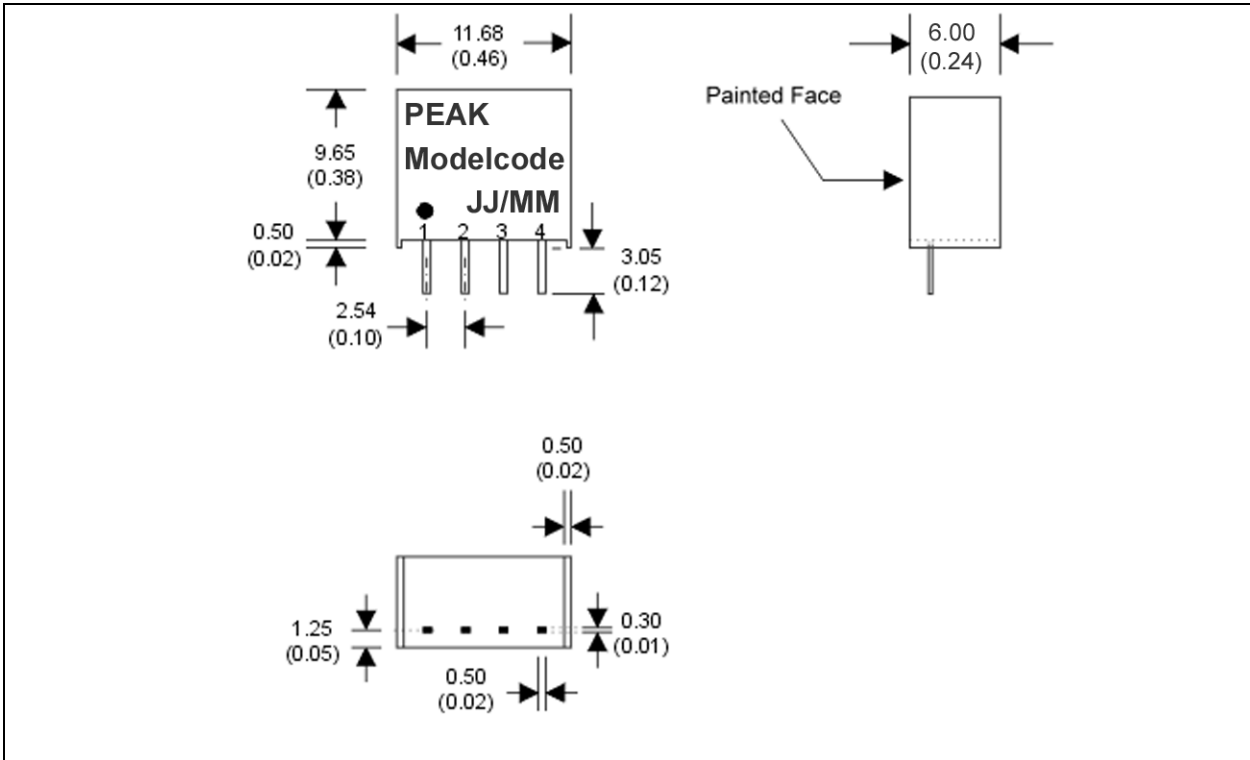
Physical Characteristics

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

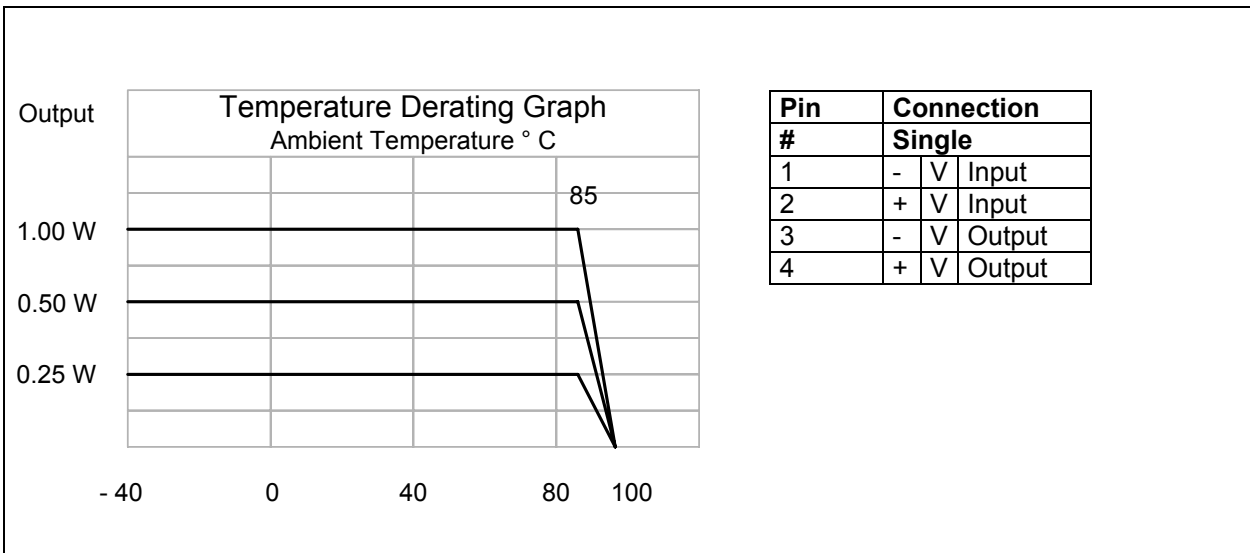
Examples of Partnumbers

| PART NO. | INPUT VOLTAGE (VDC) | INPUT CURRENT NO LOAD | INPUT CURRENT FULL LOAD | OUTPUT VOLTAGE (VDC) | OUTPUT CURRENT (max. mA) | EFFICIENCY FULL LOAD (% TYP.) |
|-------------|---------------------|-----------------------|-------------------------|----------------------|--------------------------|-------------------------------|
| P6AU-053R3E | 5 | 16 | 267 | 3,3 | 300 | 74 |
| P6AU-0505E | 5 | 16 | 253 | 5 | 200 | 79 |
| P6AU-057R2E | 5 | 16 | 255 | 7,2 | 140 | 79 |
| P6AU-0512E | 5 | 16 | 307 | 12 | 100 | 78 |
| P6AU-0515E | 5 | 20 | 262 | 15 | 70 | 80 |
| P6AU-1205E | 12 | 14 | 105 | 5 | 200 | 79 |
| P6AU-1212E | 12 | 14 | 105 | 12 | 100 | 79 |
| P6AU-1215E | 12 | 13 | 112 | 15 | 70 | 78 |
| P6AU-2405E | 24 | 8 | 56 | 5 | 200 | 74 |
| P6AU-2412E | 24 | 7 | 65 | 12 | 100 | 77 |
| P6AU-2415E | 24 | 8 | 57 | 15 | 70 | 76 |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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