

**MA SERIES**

**P3AU-XXXXE 1KV ISOLATED 0,5W 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 10<sup>9</sup> 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

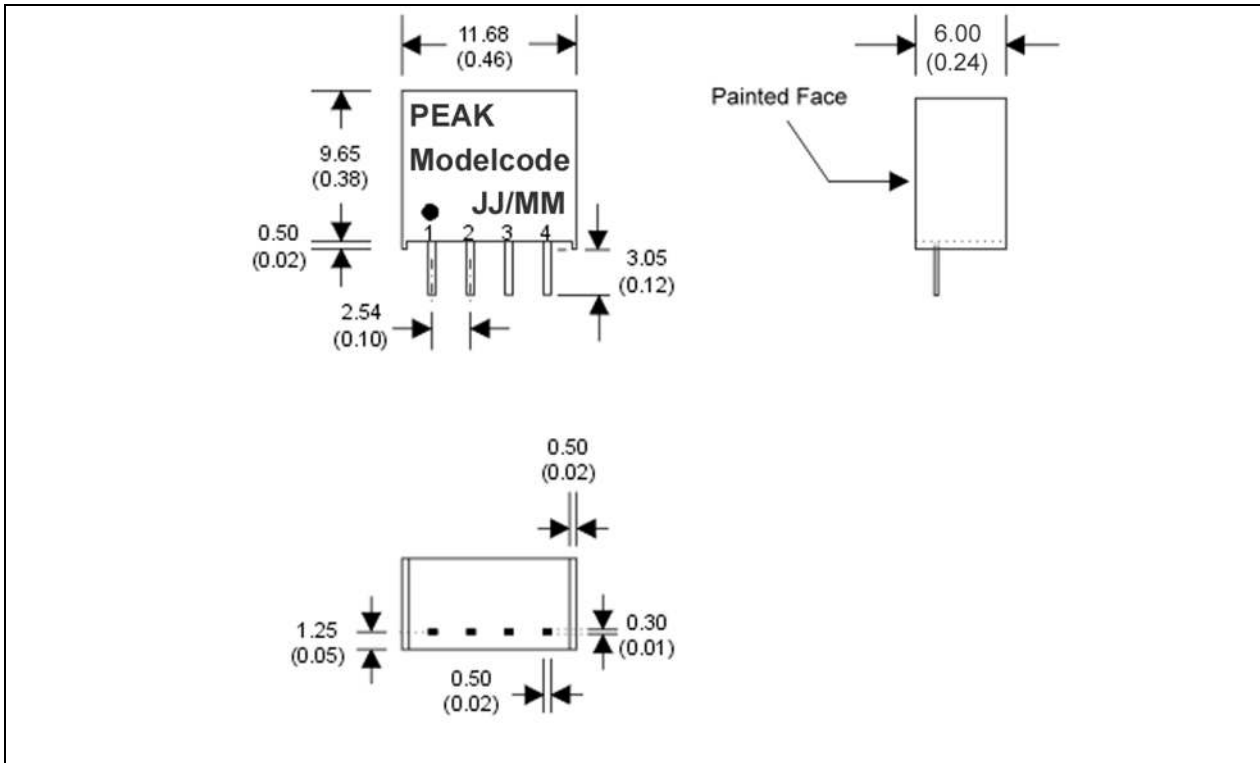
**Physical Characteristics**

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

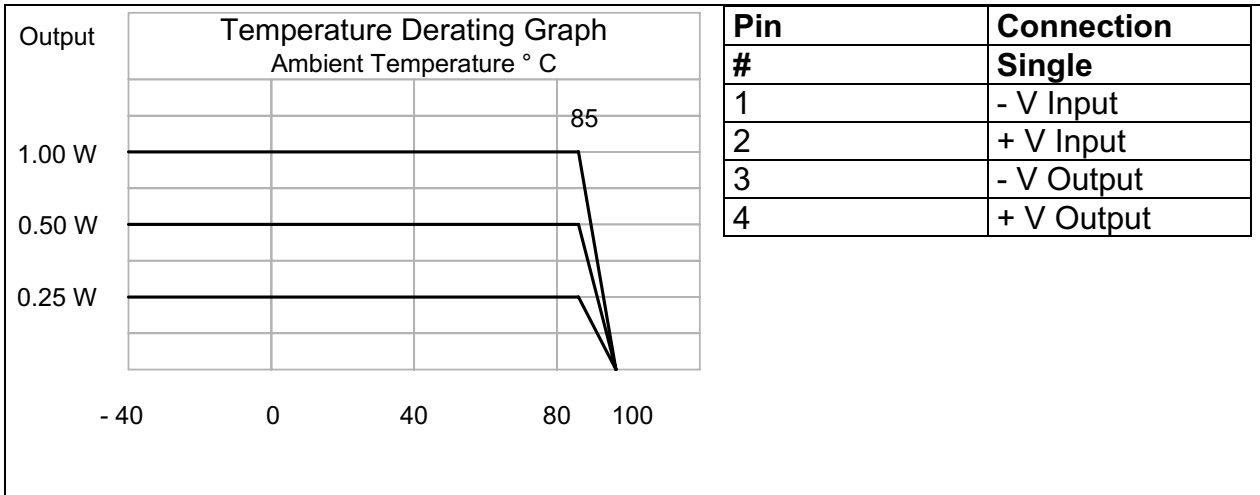
**Examples of Partnumbers**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P3AU-053R3E	5	16	133	3,3	150	74
P3AU-0505E	5	16	135	5	100	74
P3AU-057R2E	5	16	134	7,2	70	75
P3AU-0512E	5	16	133	12	42	76
P3AU-1205E	12	14	56	05	100	74
P3AU-1212E	12	14	55	12	42	76
P3AU-2405E	24	8	29	05	100	72

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

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