

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 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

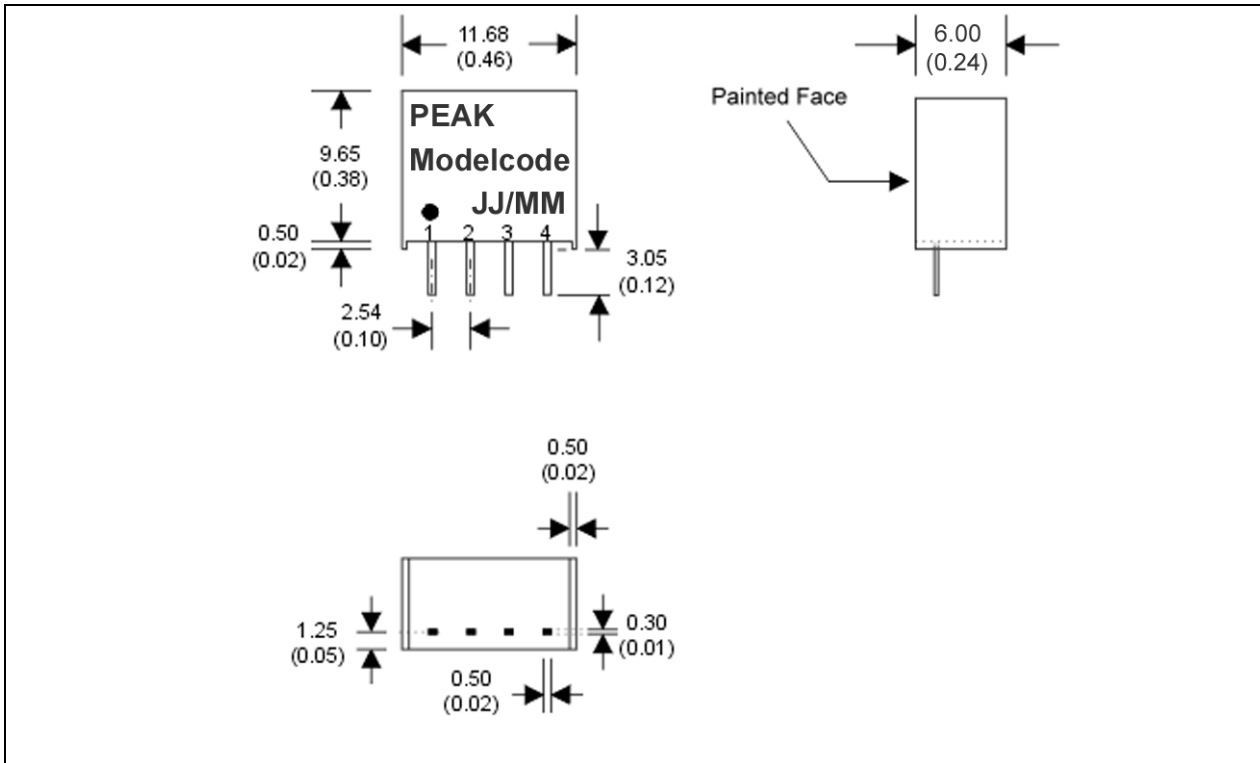
Physical Characteristics

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

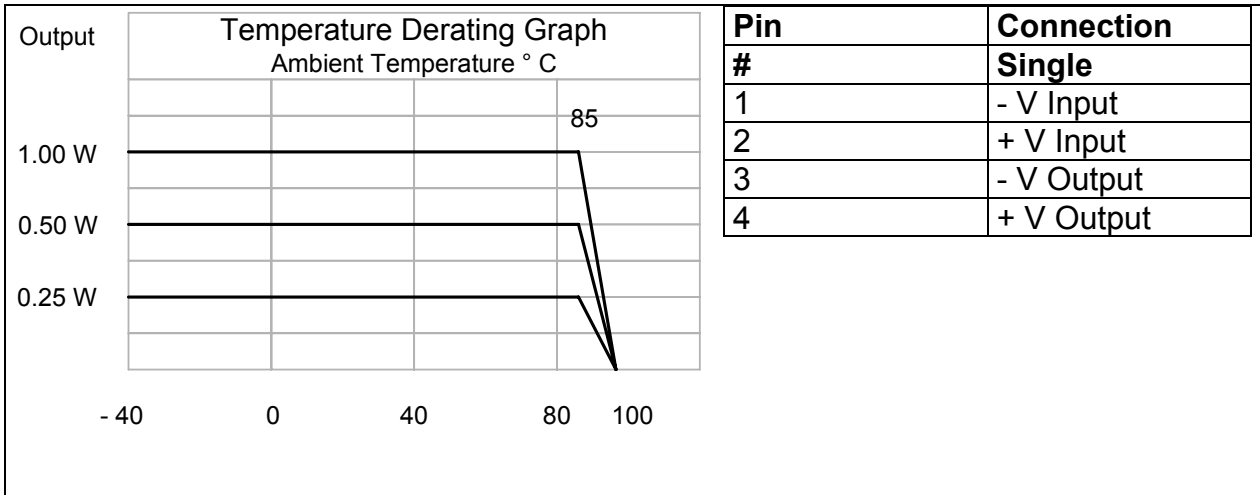
Examples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
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



Pin #	Connection
1	- V Input
2	+ V Input
3	- V Output
4	+ V Output

Specification can be changed without notice.

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