

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

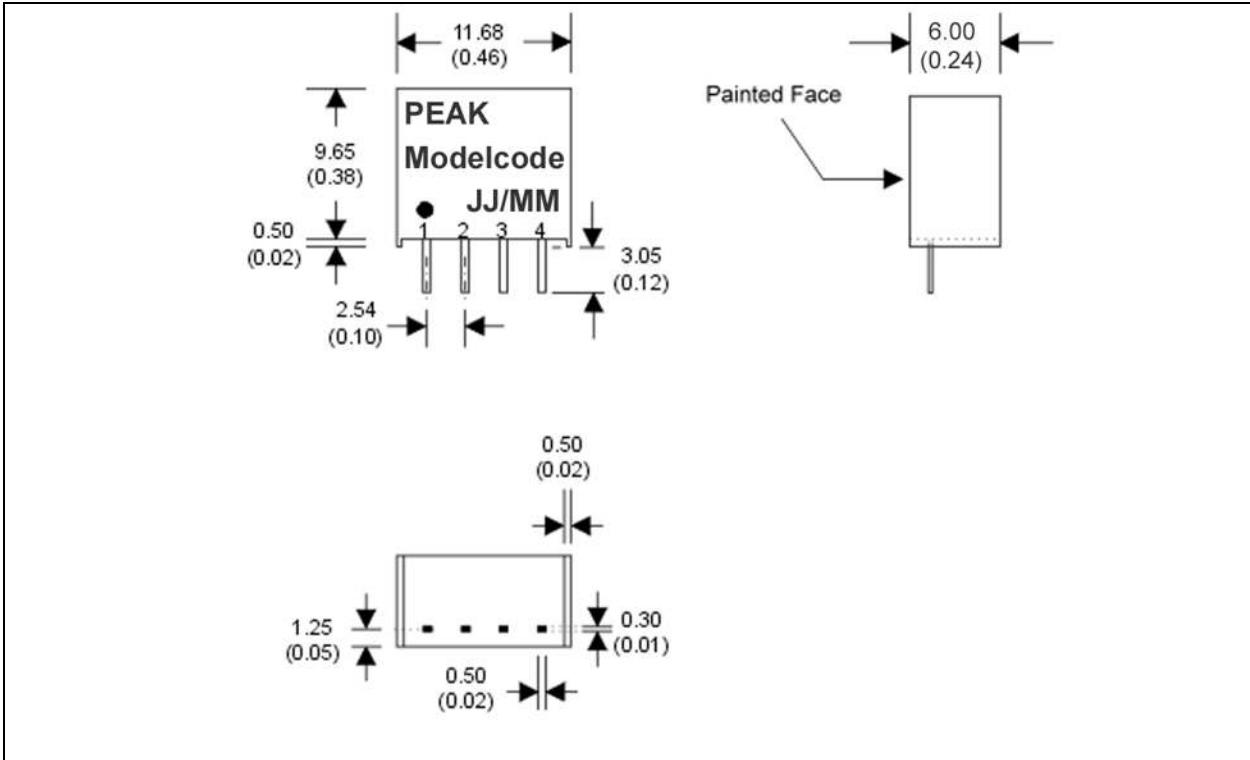
Physical Characteristics

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

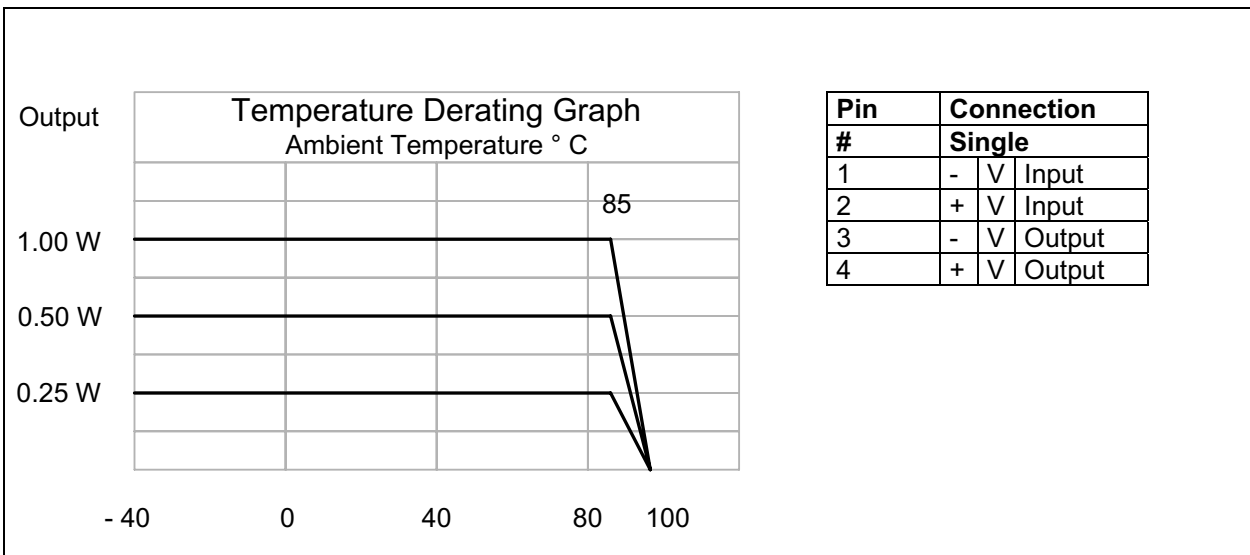
Examples of Partnumbers

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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