

## 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 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

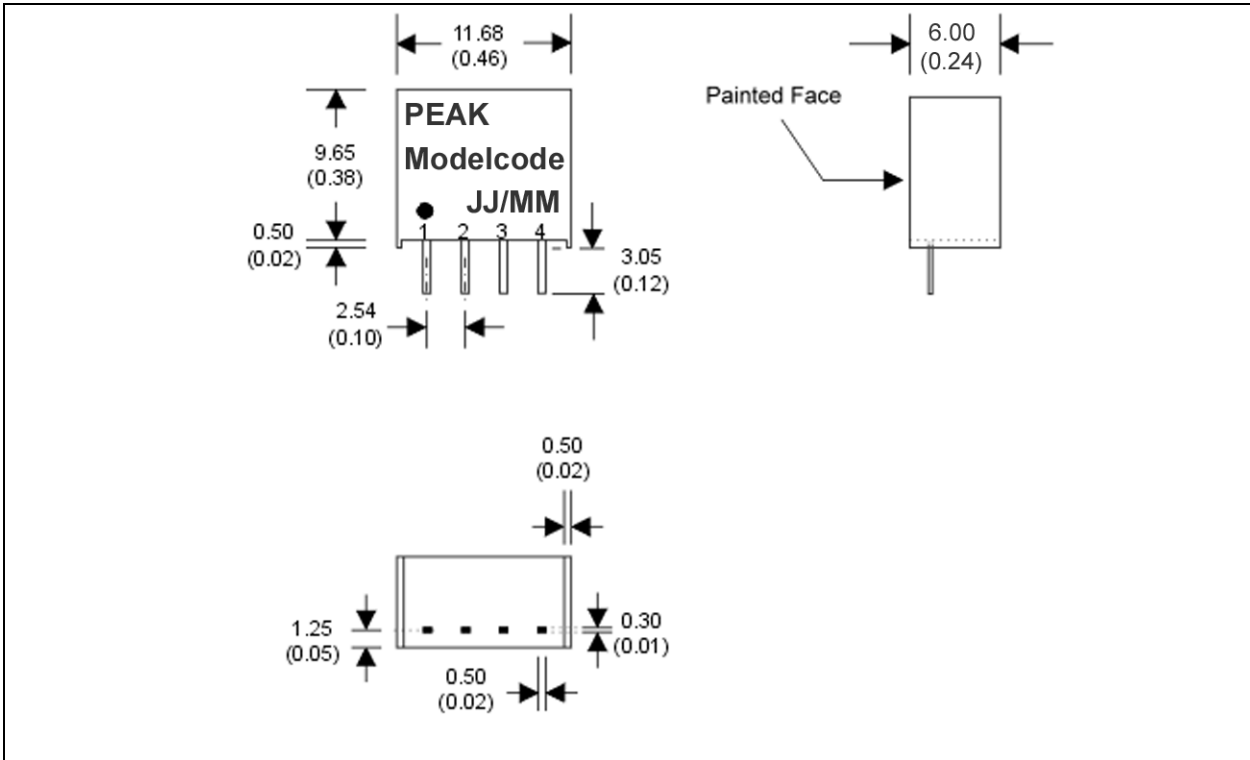
#### Physical Characteristics

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

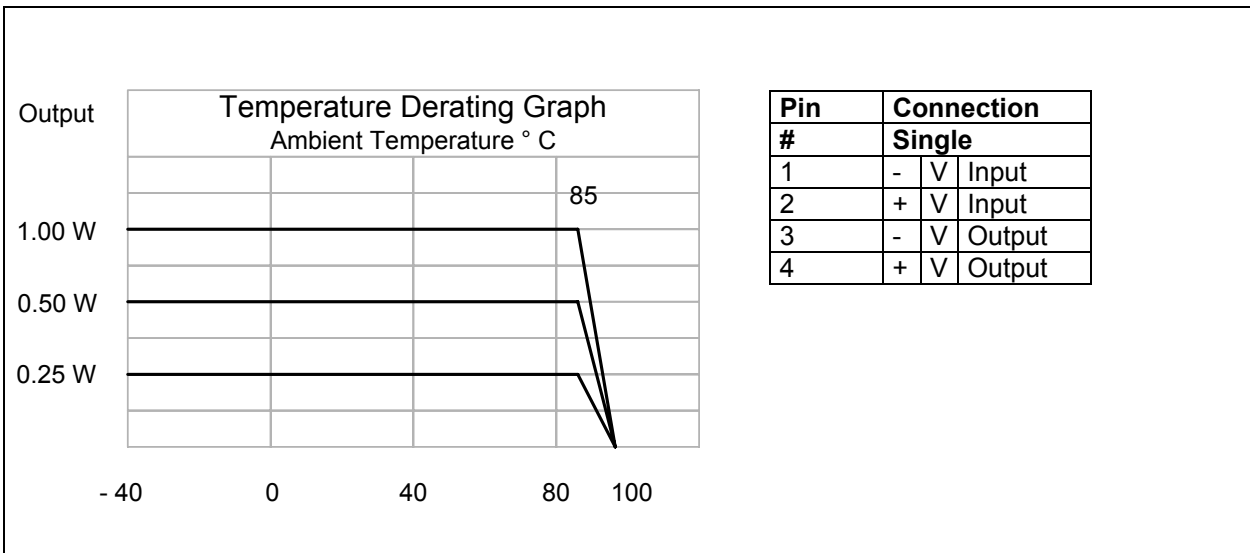
### Examples of Partnumbers

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