

## ME SERIES P10IU-XXXXE 3KV ISOLATED 2W UNREGULATED SINGLE OUTPUT SIP4

### Available Inputs:

5, 12, 24 and 48 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<sup>9</sup> Ohm  
Capacitance 60 pF typ.

#### Output Specifications

Voltage accuracy +/- 5 %, max.  
Ripple and noise (at 20 MHz BW) 150 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 70 % to 85 %  
Switching frequency 125 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

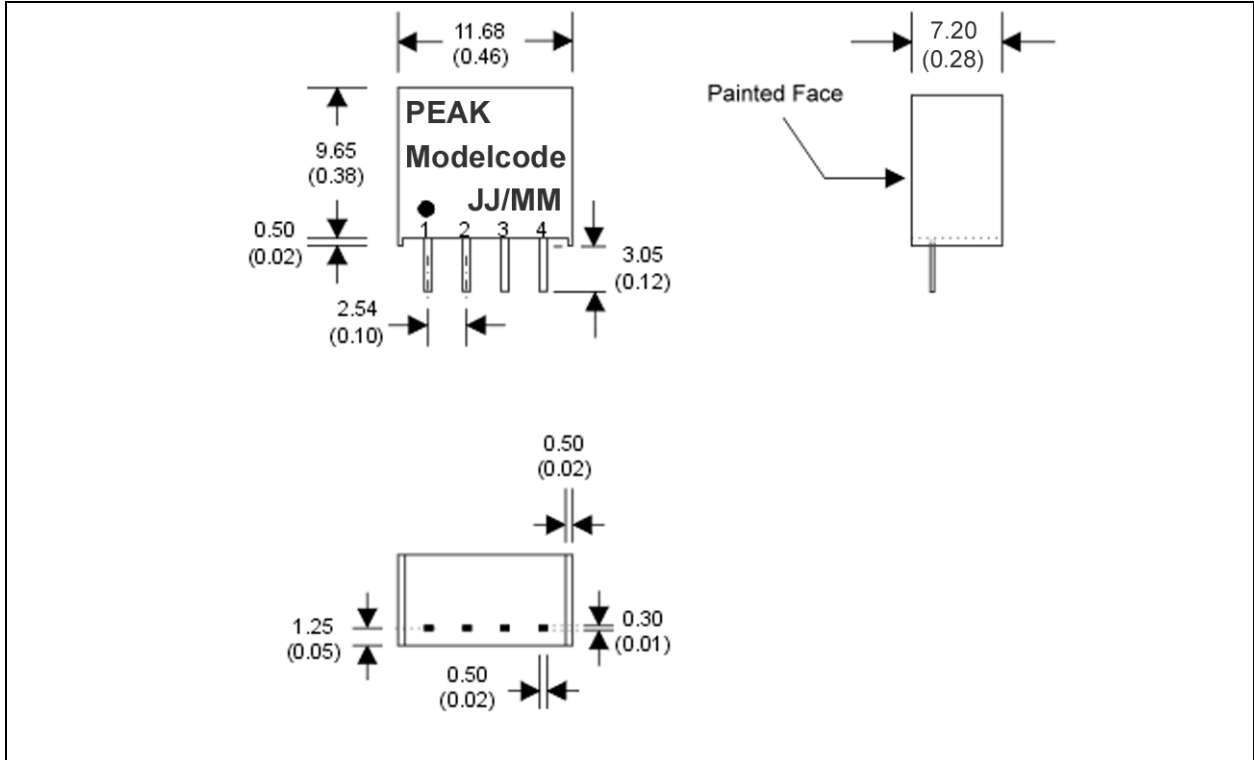
Dimensions SIP 11,68 x 7,20 x 10,16 mm  
0,46 x 0,28 x 0,40 inches  
Weight 2,5 g 3,5 g for 48 VDC  
Case material Non conductive black plastic

### Examples of Partnumbers

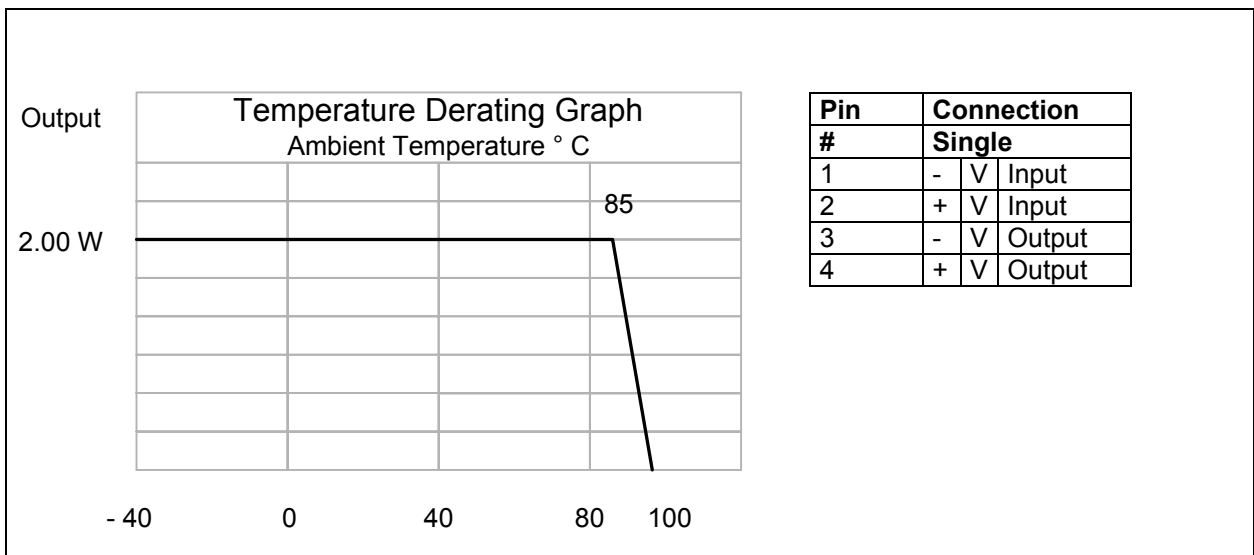
PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10IU-053R3E	05	16	533	3,3	606	75
P10IU-0505E	05	16	513	05	400	78
P10IU-057R2E	05	16	513	7,2	276	78
P10IU-0509E	05	16	506	09	222	79
P10IU-0512E	05	16	500	12	167	80
P10IU-0515E	05	16	500	15	133	80
P10IU-0518E	05	16	500	18	111	80
P10IU-0524E	05	16	506	24	83	79
P10IU-1205E	12	14	214	05	400	78
P10IU-1215E	12	14	208	15	133	80
P10IU-1224E	12	14	211	24	83	79

P10IU-2405E	24	11	108	05	400	77
P10IU-2409E	24	11	106	09	222	79
P10IU-2415E	24	11	106	15	133	79
P10IU-2424E	24	11	106	24	83	79
P10IU-4805E	48	6	55	05	400	76
P10IU-4812E	48	6	53	12	167	78
P10IU-4815E	48	6	53	15	133	78
P10IU-4818E	48	6	53	18	111	79

## Dimensions



## Derating Graph and Pinning



Specification can be changed without notice.

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