

ME SERIES P10AU-XXXXE 1KV 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 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) 150 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 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

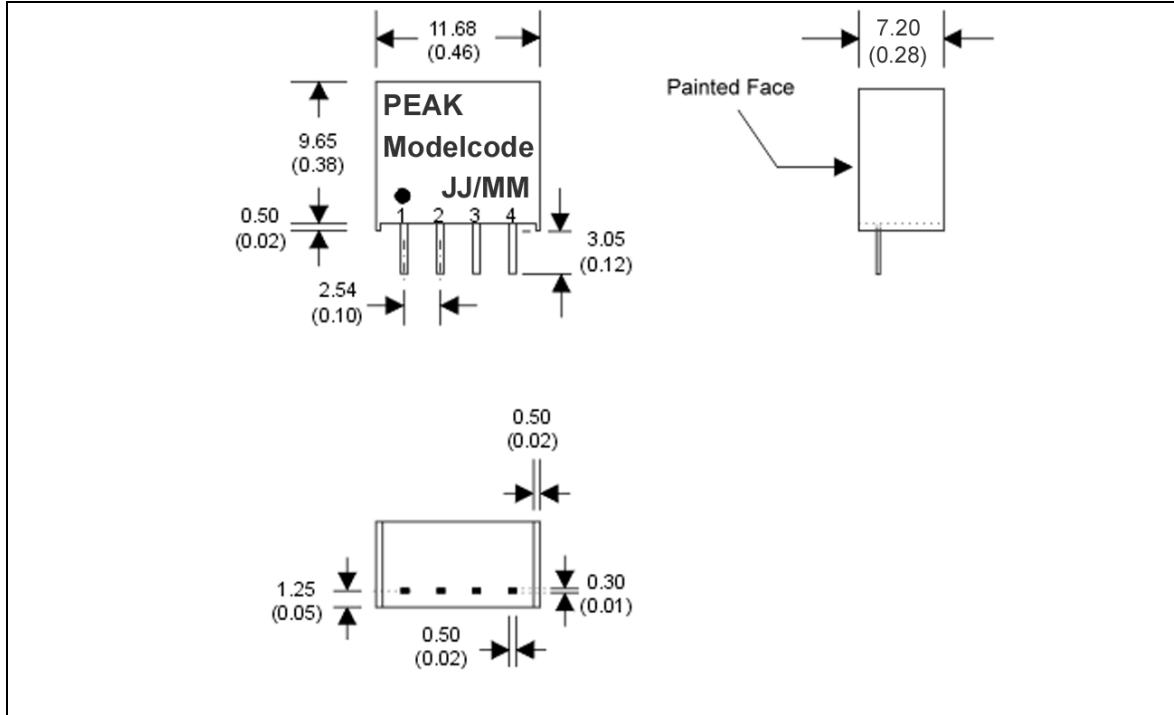
 Dimensions SIP 11,68 x 7,20 x 10,16 mm
 0,46 x 0,28 x 0,40 inches
 Weight 2,5 g 3,5 g for 48 VDC
 Case material Non conductive black plastic

Examples of Partnumbers

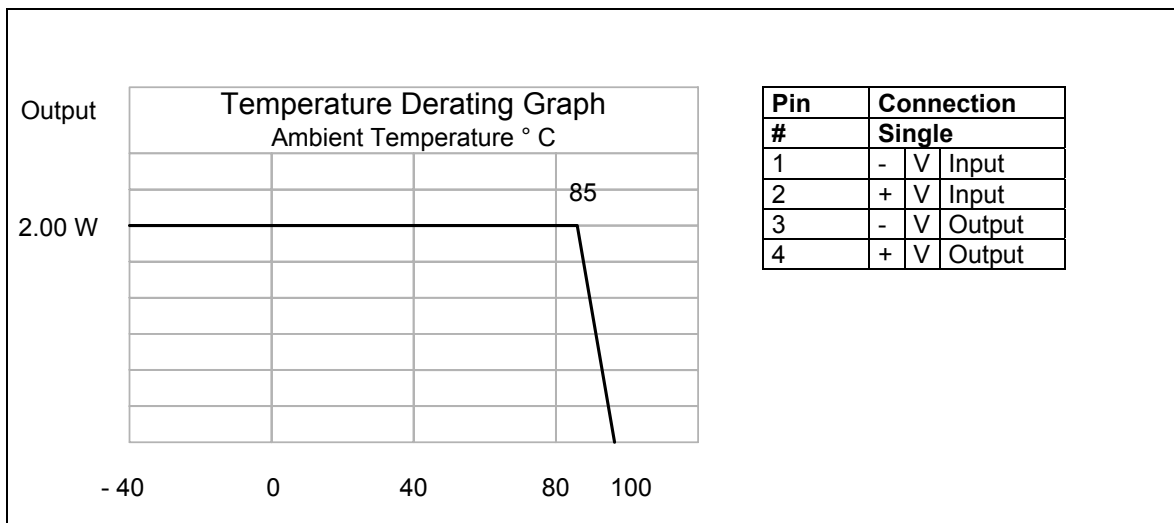
PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10AU-053R3E	05	16	533	3,3	606	75
P10AU-0505E	05	16	513	05	400	78
P10AU-057R2E	05	16	513	7,2	276	78
P10AU-0509E	05	16	506	09	222	79
P10AU-0512E	05	16	500	12	167	80
P10AU-0515E	05	16	500	15	133	80
P10AU-0518E	05	16	500	18	111	80
P10AU-0524E	05	16	506	24	83	79
P10AU-1205E	12	14	214	05	400	78
P10AU-1215E	12	14	208	15	133	80
P10AU-1224E	12	14	211	24	83	79

P10AU-2405E	24	11	108	05	400	77
P10AU-2409E	24	11	106	09	222	79
P10AU-2415E	24	11	106	15	133	79
P10AU-2424E	24	11	106	24	83	79
P10AU-4805E	48	6	55	05	400	76
P10AU-4812E	48	6	53	12	167	78
P10AU-4815E	48	6	53	15	133	78
P10AU-4818E	48	6	53	18	111	79

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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