

M1 SERIES P6LU-XXXXE 3KV ISOLATED 1W UNREGULATED SINGLE OUTPUT SIP7

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

10⁹ Ohm

Capacitance

60 pF typ.

Output Specifications

Voltage accuracy

+/- 5 %, max.

Ripple and noise (at 20 MHz BW)

75 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

19,50 x 6,00 x 9,50 mm

0,76 x 0,24 x 0,37 inches

Weight

2 g, 3 g for the 48 VDC variants

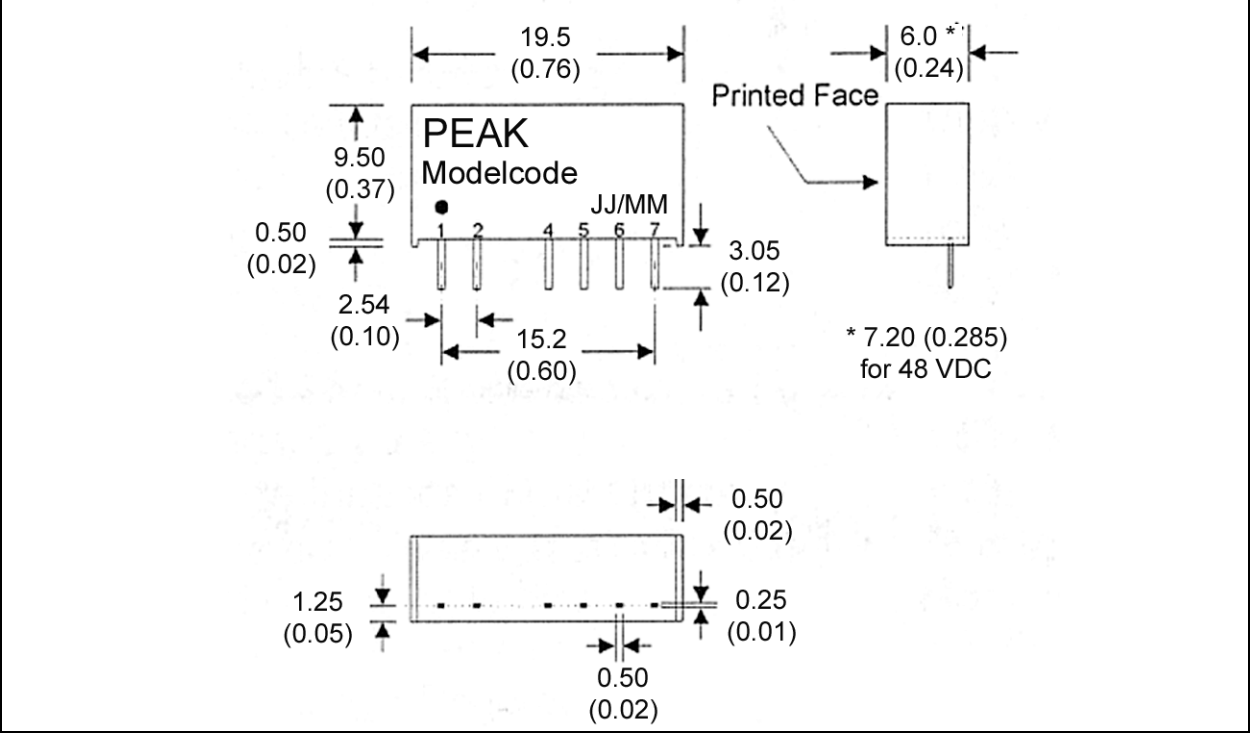
Case material

Non conductive black plastic

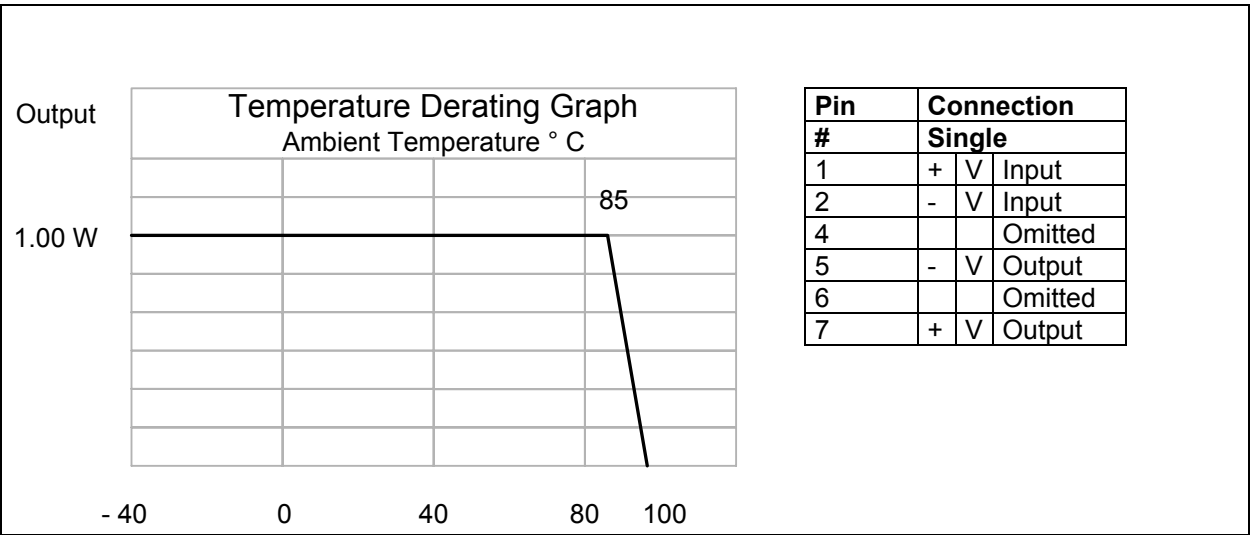
Examples for Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6LU-0505E	5	16	277	5	200	72
P6LU-0512E	5	18	254	12	84	79
P6LU-0518E	5	25	257	18	55	78
P6LU-1212E	12	10	104	12	84	80
P6LU-2405E	24	6	55	5	200	76
P6LU-2412E	24	7	54	12	84	77
P6LU-2415E	24	8	55	15	67	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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