

M1 SERIES
P6LU-XXXXEH40 4 KV 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 4000 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

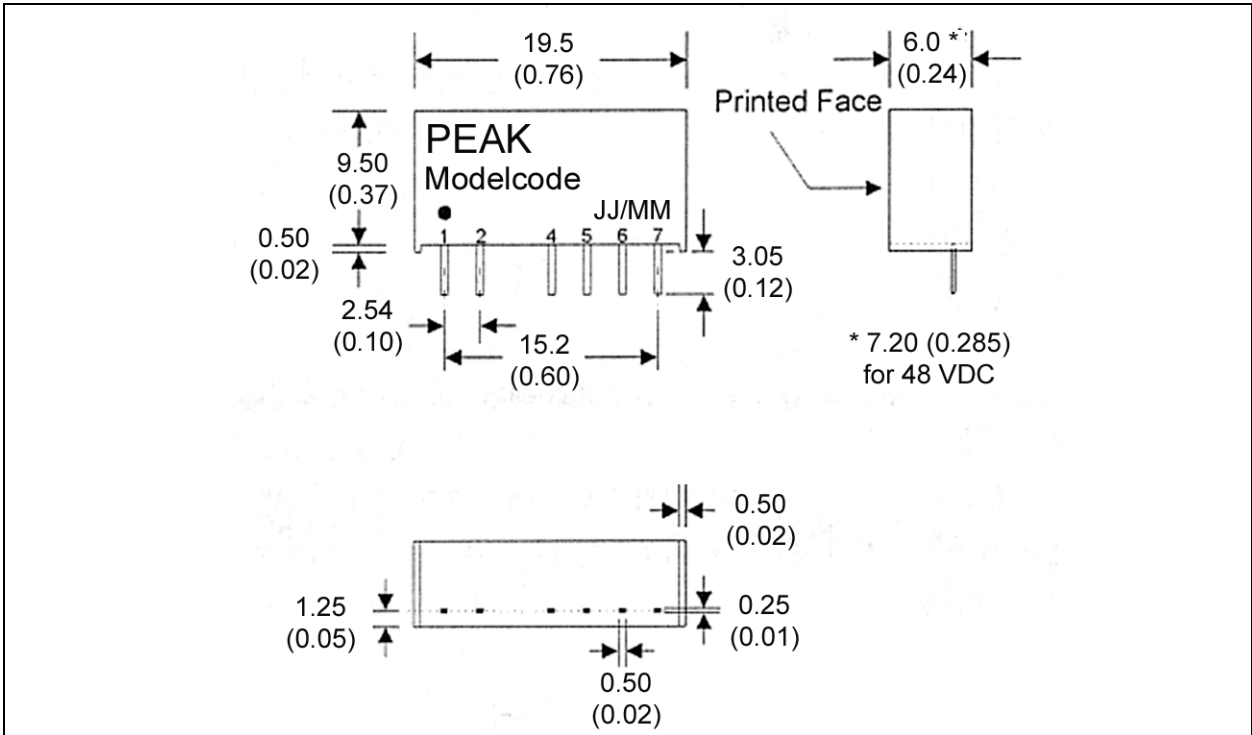
Weight 2 g, 3 g for the 48 VDC variants

Case material Non conductive black plastic

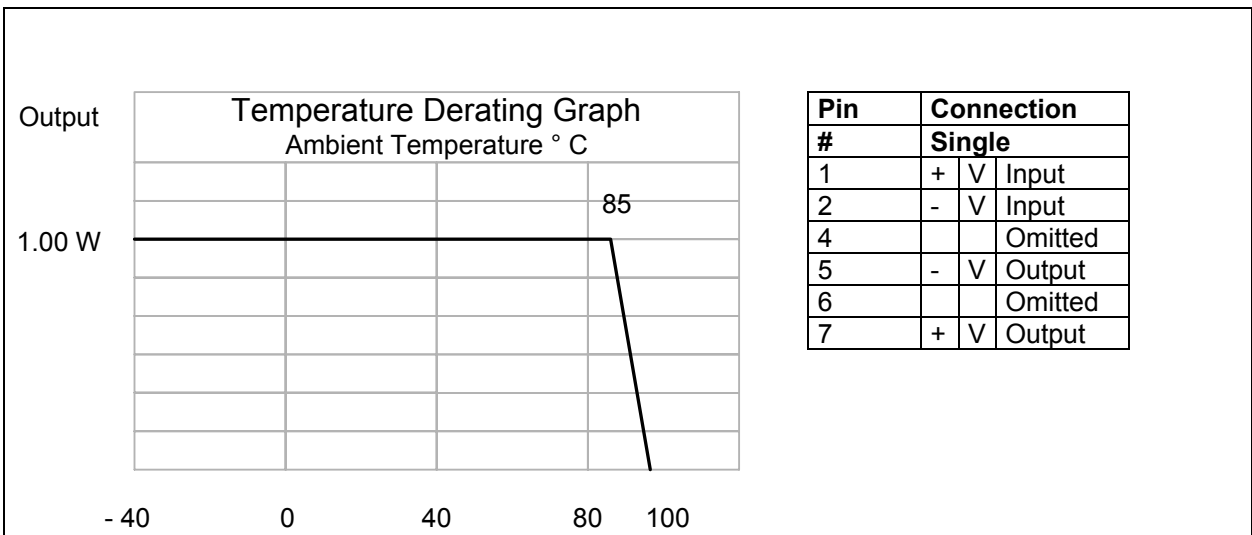
Examples for Partnumbers

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-0505EH40	5	16	277	5	200	72
P6LU-0512EH40	5	18	254	12	84	79
P6LU-1205EH40	12	11	119	5	200	70
P6LU-1212EH40	12	10	104	12	84	80
P6LU-2405EH40	24	6	55	5	200	76
P6LU-2412EH40	24	7	54	12	84	77
P6LU-2415EH40	24	8	55	15	67	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH