

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

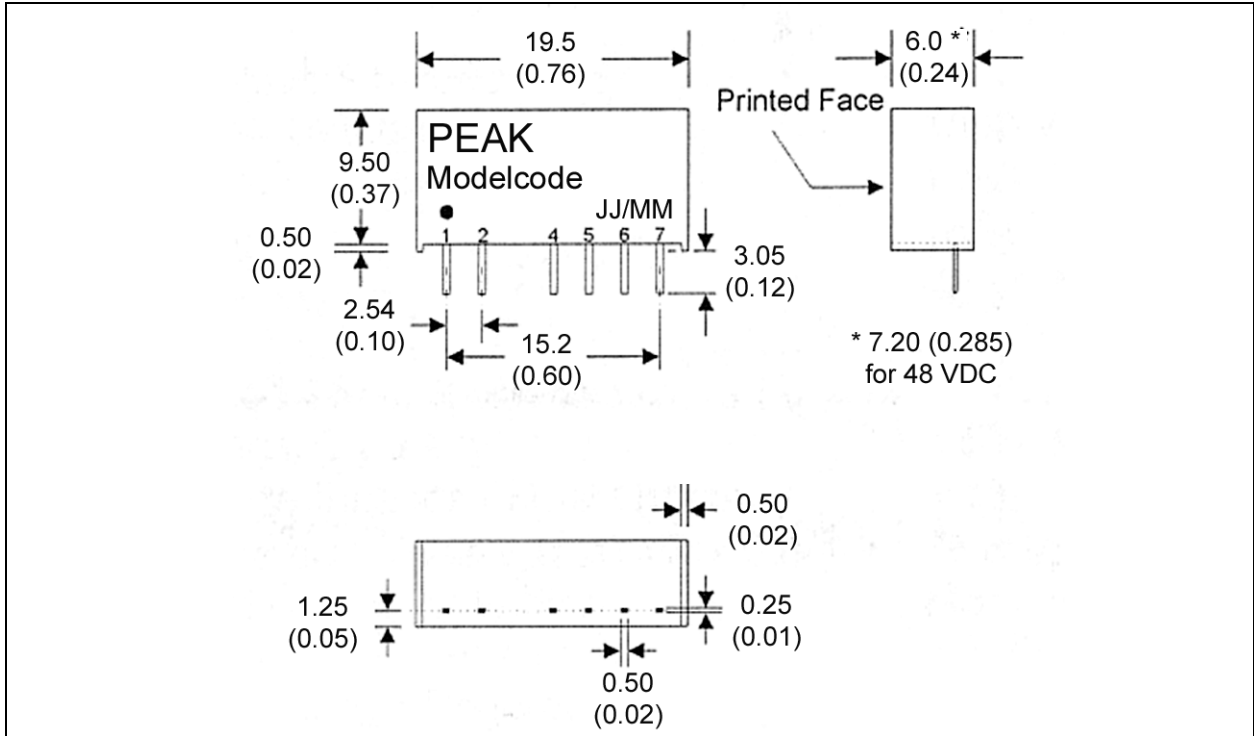
Physical Characteristics

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

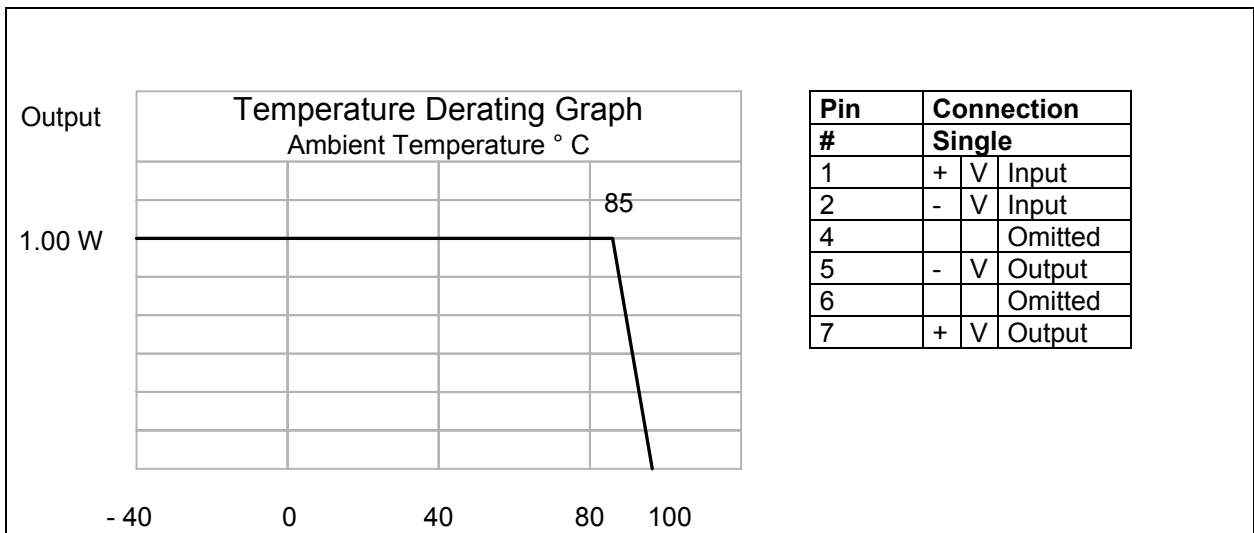
Examples for Partnumbers

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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