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M1 SERIES P6CU-XXXXE 1KV 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

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)

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

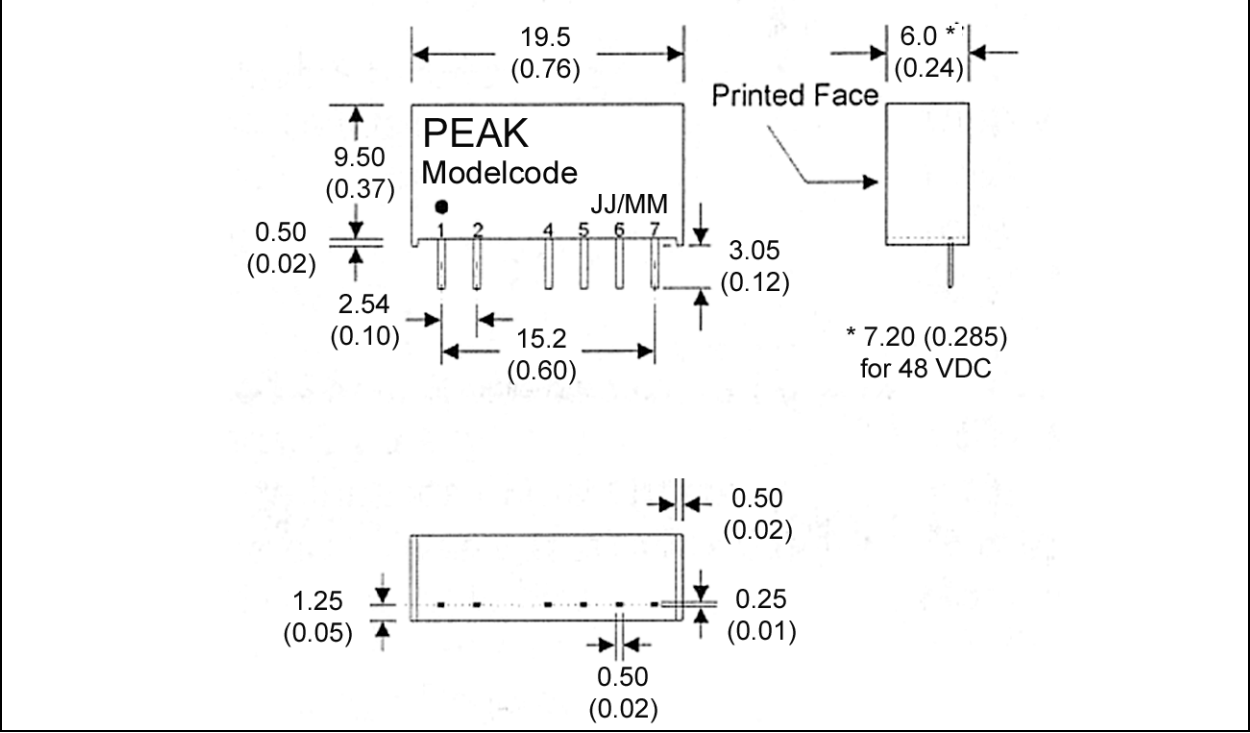
Samples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6CU-0505E	5	16	266	5	200	75
P6CU-0512E	5	18	254	12	84	79
P6CU-1205E	12	11	119	5	200	70
P6CU-1212E	12	10	104	12	84	80
P6CU-243R3E	24	5	56	3,3	303	74
P6CU-2405E	24	6	55	5	200	76
P6CU-2412E	24	7	54	12	84	77
P6CU-4805E	48	5	31	5	200	67
P6CU-4812E	48	6	28	12	84	74

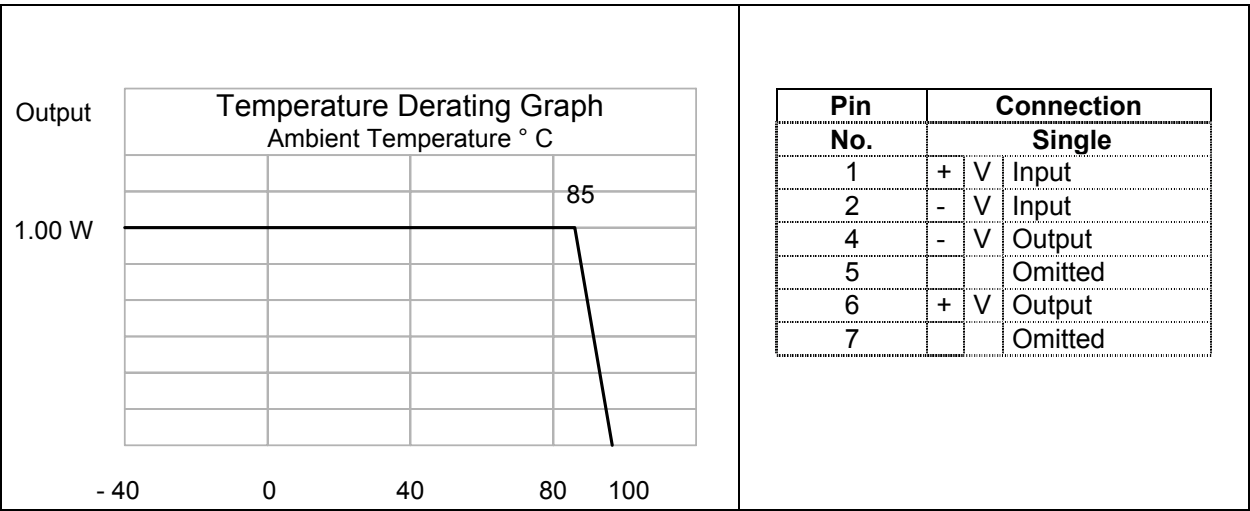


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Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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