

M1 SERIES
P6CUI-XXXXXXZ 1KV ISOLATED 1W UNREGULATED DUAL SEPARATE OUTPUT SIP7
Available Inputs:
5, 12 and 24 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 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 19,50 x 6,00 x 9,50 mm

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

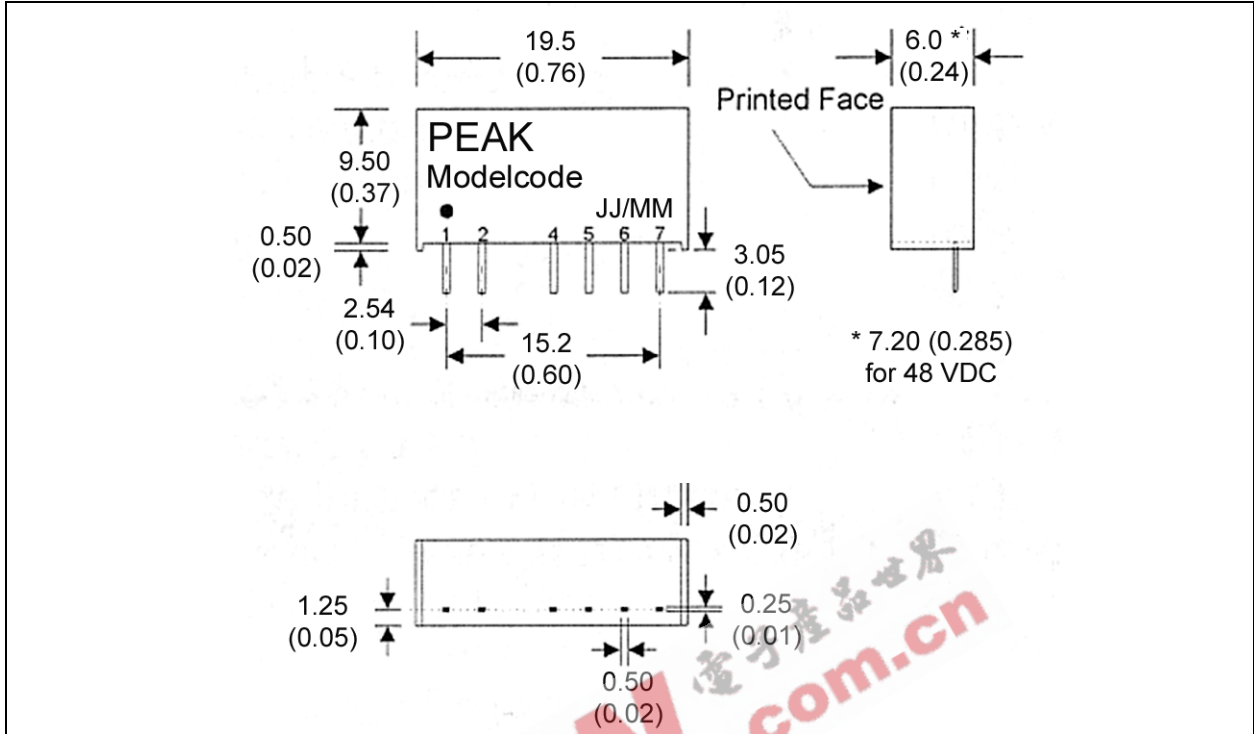
Weight 2 g

Case material Non conductive black plastic

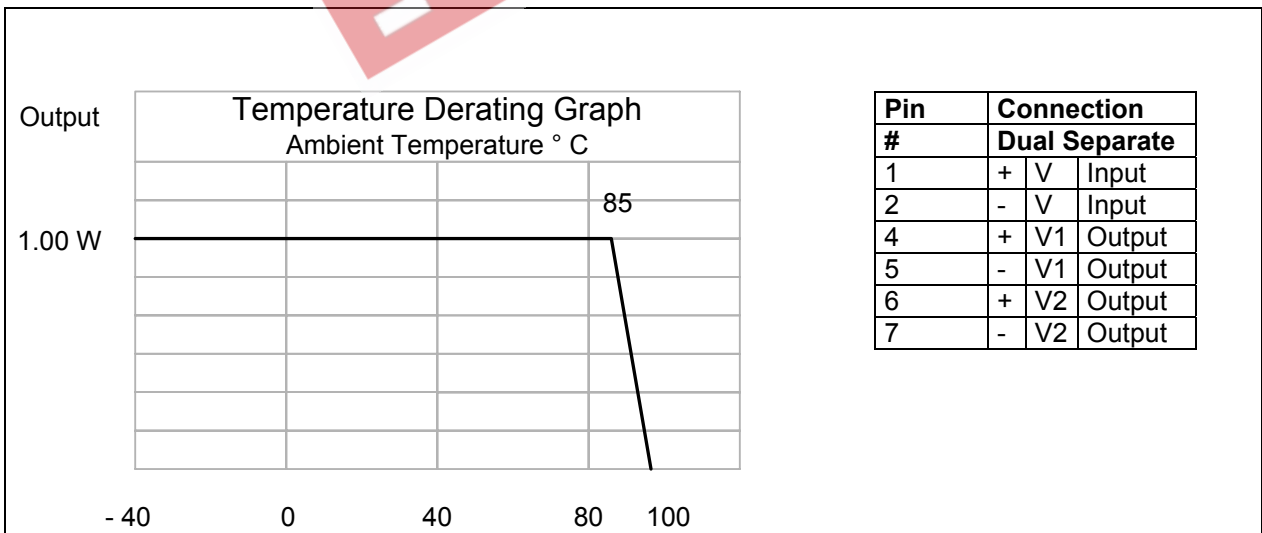
Examples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6CUI-050505Z	5	16	277	5/5	100/100	72
P6CUI-050515Z	5	20	250	5/15	100/33	80
P6CUI-120505Z	12	11	119	5/5	100/100	70
P6CUI-120512Z	12	10	104	5/12	100/42	80
P6CUI-120515Z	12	13	106	5/15	100/33	78
P6CUI-240505Z	24	6	54	5/5	100/100	76
P6CUI-240909Z	24	10	56	9/9	56/56	75

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH