

**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 10<sup>9</sup> 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

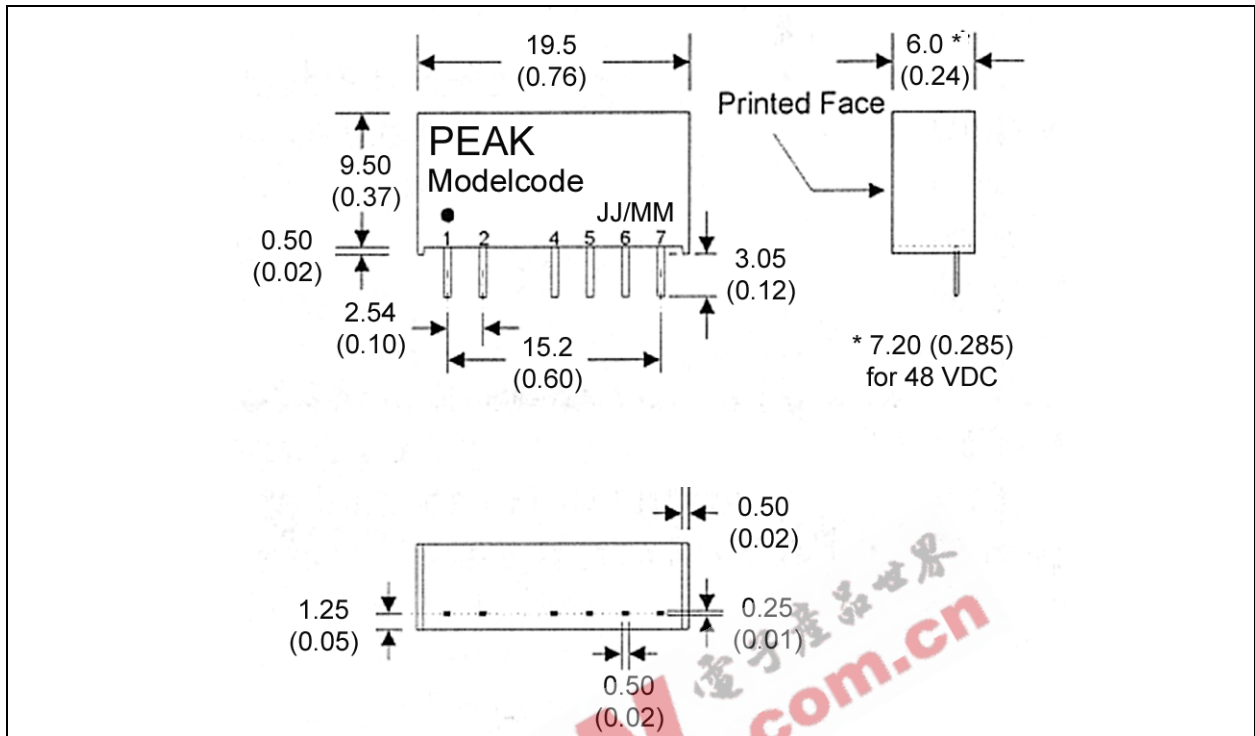
Weight 2 g

Case material Non conductive black plastic

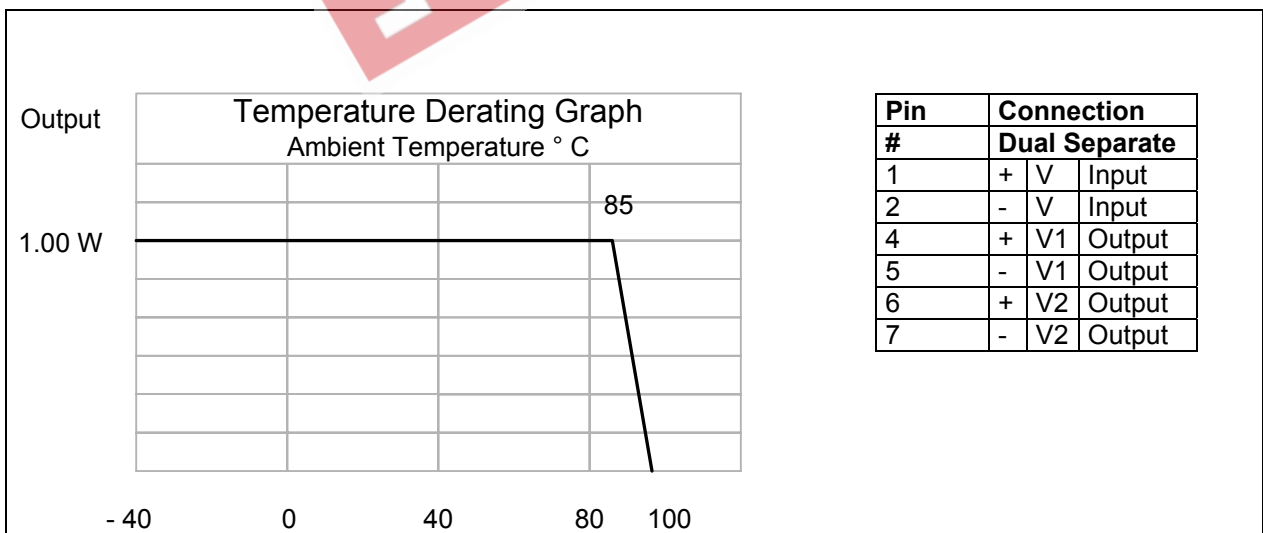
**Examples of Partnumbers**

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



Pin #	Connection		
	Dual Separate		
1	+	V	Input
2	-	V	Input
4	+	V1	Output
5	-	V1	Output
6	+	V2	Output
7	-	V2	Output

Specification can be changed without notice.

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