

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 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

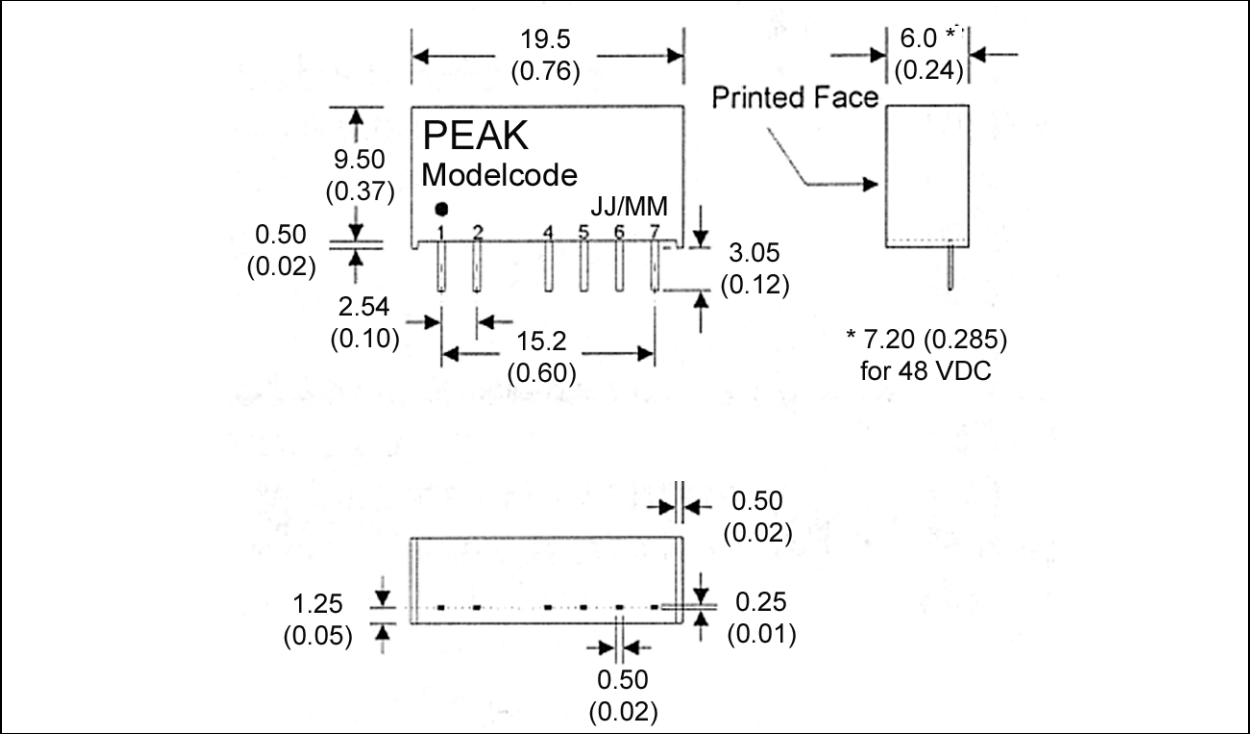
Case material

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

