

M1 SERIES P6CU-XXXXZ 1KV ISOLATED 1W UNREGULATED DUAL 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

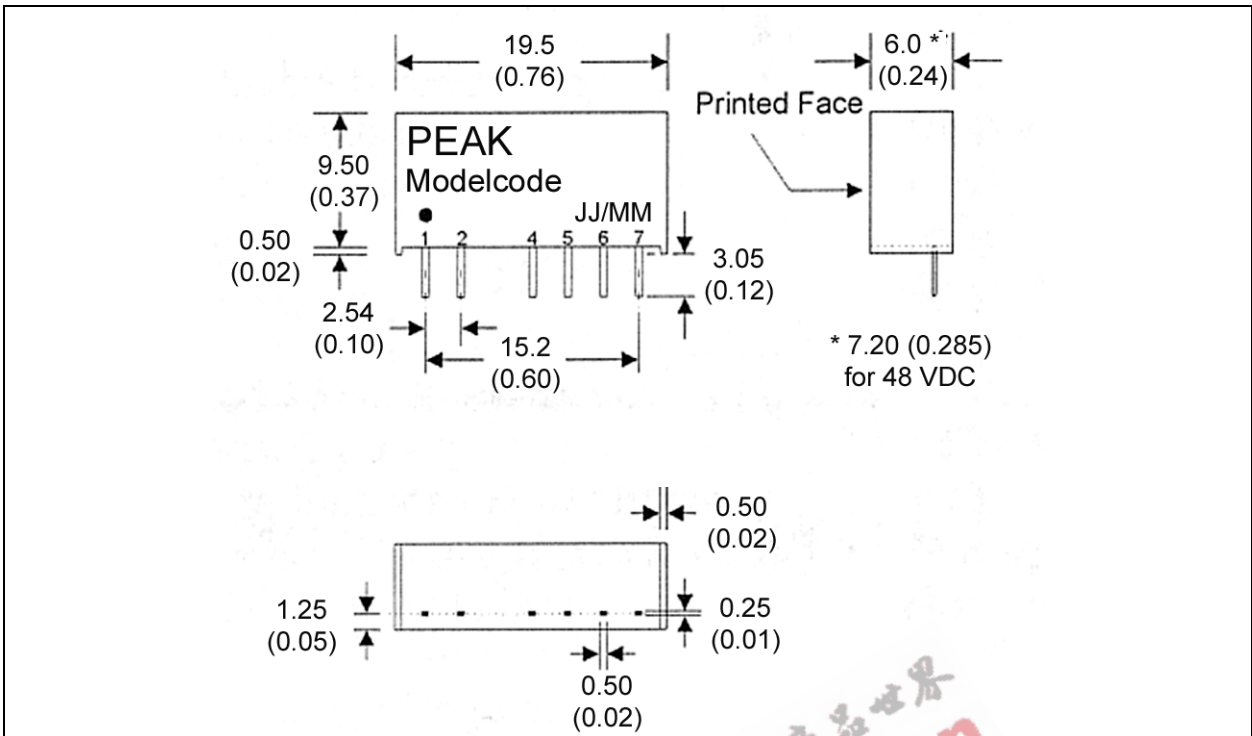
Physical Characteristics

 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

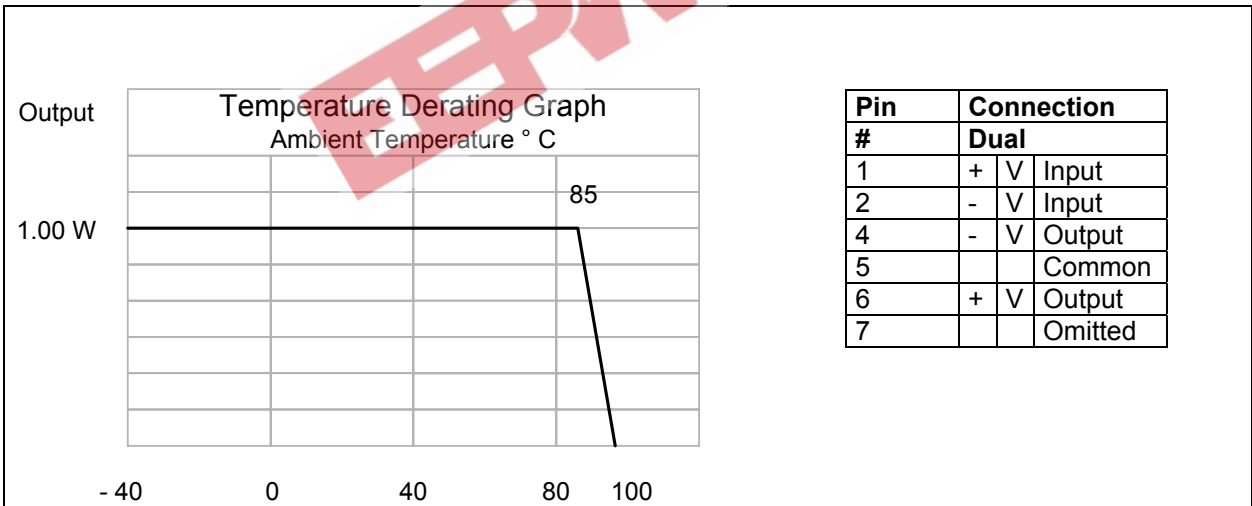
Examples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6CU-0505Z	5	16	281	+/- 5	+/- 100	71
P6CU-0512Z	5	18	253	+/- 12	+/- 42	79
P6CU-0515Z	5	20	250	+/- 15	+/- 34	80
P6CU-1205Z	12	11	119	+/- 5	+/- 100	70
P6CU-1212Z	12	10	104	+/- 12	+/- 42	80
P6CU-243R3Z	24	5	56	+/- 3,3	+/- 150	74
P6CU-2405Z	24	6	55	+/- 5	+/- 100	76
P6CU-2412Z	24	8	55	+/- 12	+/- 42	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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