

MS SERIES P6EU-XXXXZH30 3KV ISOLATED 1W UNREGULATED DUAL OUTPUT SIP6

Available Inputs:

5 and 12 VDC

Available Outputs:

(+/-) 5, 9, 12 and 15 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 3000 VDC
Leakage current 1 mA
Resistance 10^9 Ohm
Capacitance 50 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 72 % to 82 %
Switching frequency 90 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

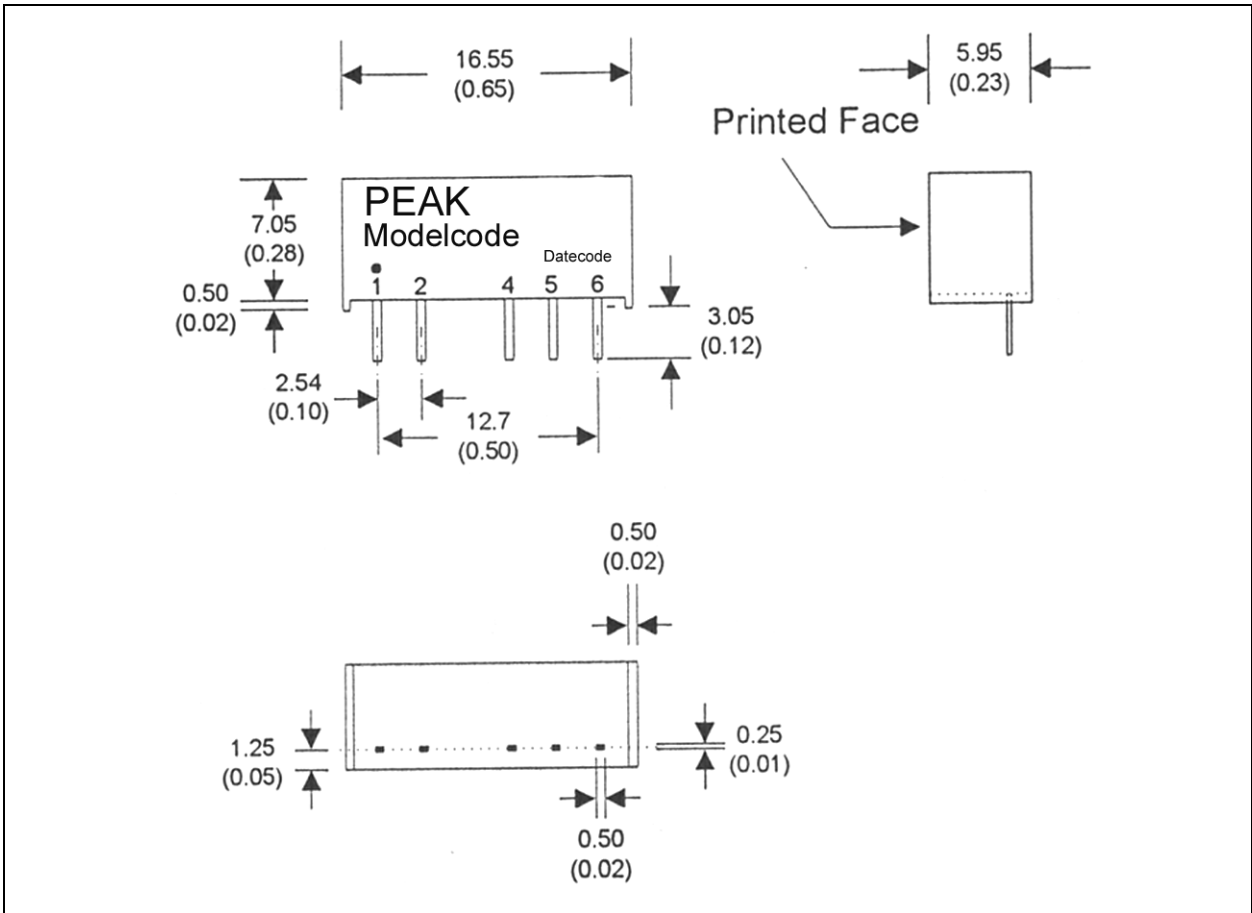
Physical Characteristics

Dimensions SIP 16.55 x 5.95 x 7.55 mm
0,65 x 0,23 x 0,30 inches
Weight 1.8 g
Case material Non conductive black plastic

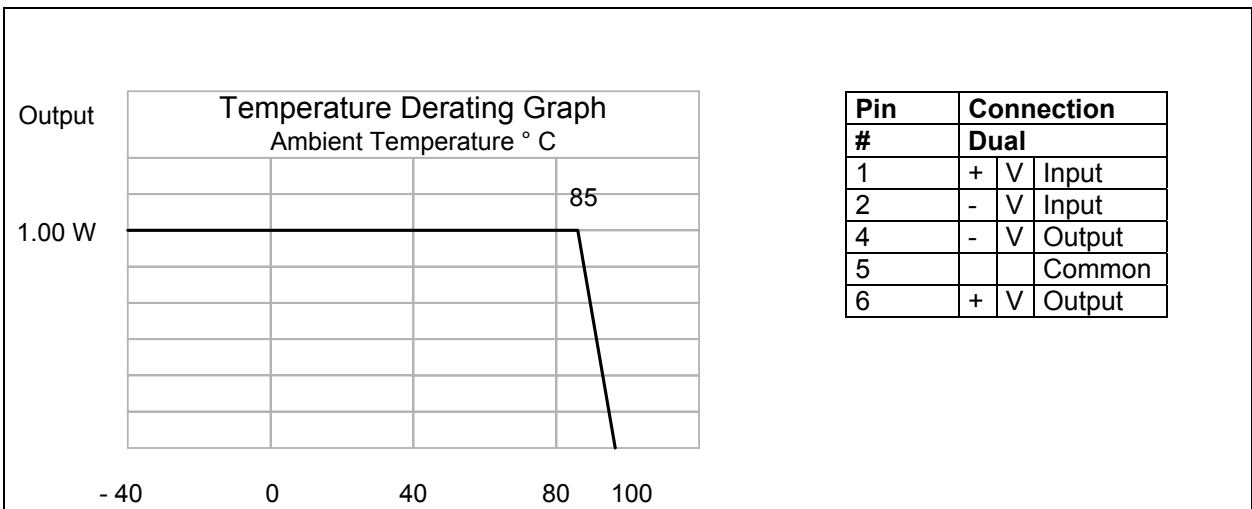
Examples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6EU-0505ZH30	5	26	277	+/- 5	+/- 100	72
P6EU-0509ZH30	5	26	253	+/- 9	+/- 55	79
P6EU-0512ZH30	5	26	250	+/- 12	+/- 42	80
P6EU-0515ZH30	5	26	250	+/- 15	+/- 34	80
P6EU-1205ZH30	12	12	111	+/- 5	+/- 100	75
P6EU-1209ZH30	12	12	105	+/- 9	+/- 55	79
P6EU-1212ZH30	12	12	104	+/- 12	+/- 42	80
P6EU-1215ZH30	12	12	102	+/- 15	+/- 34	82

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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