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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

10⁹ 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 Vin

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

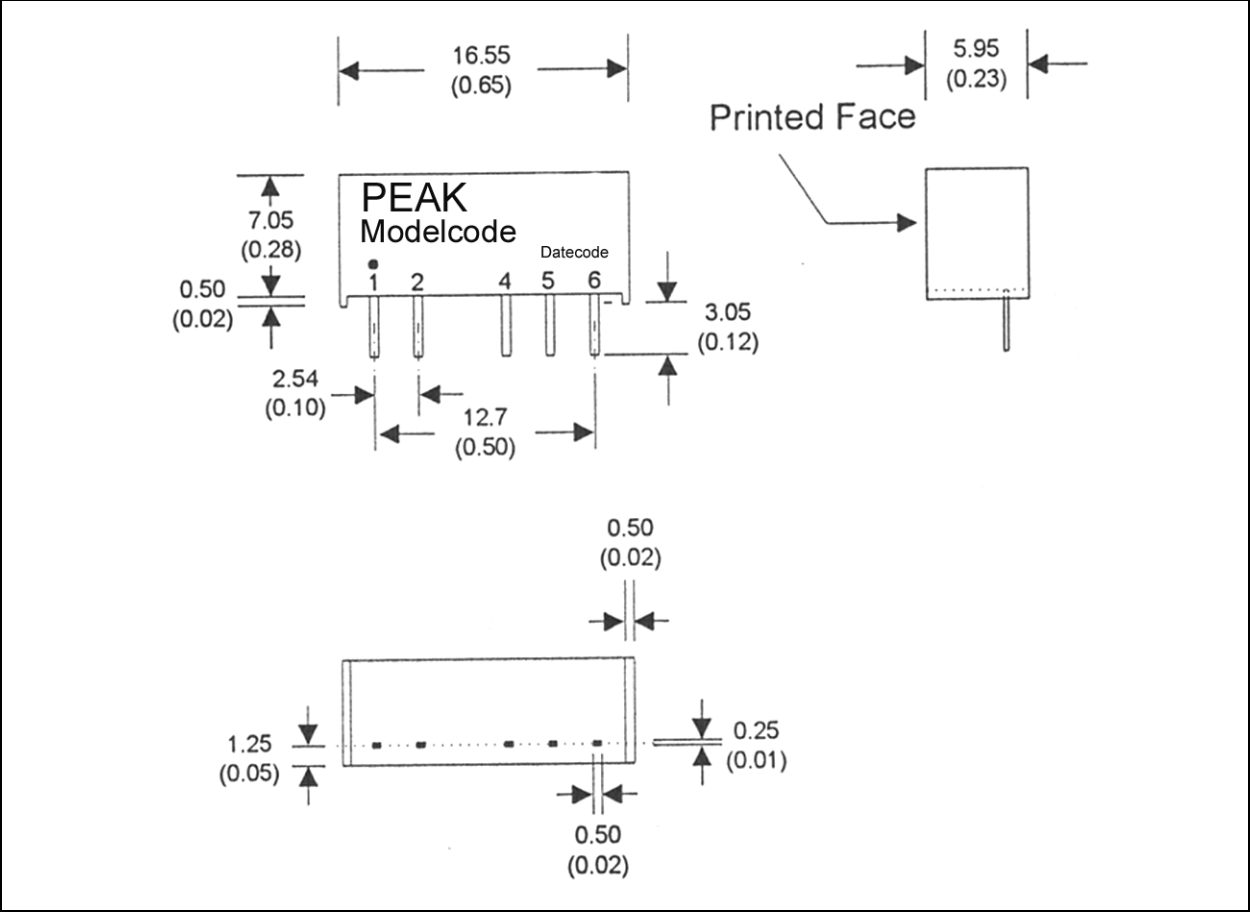
Examples of Partnumbers

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



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Dimensions



Derating Graph and Pinning

