

## 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

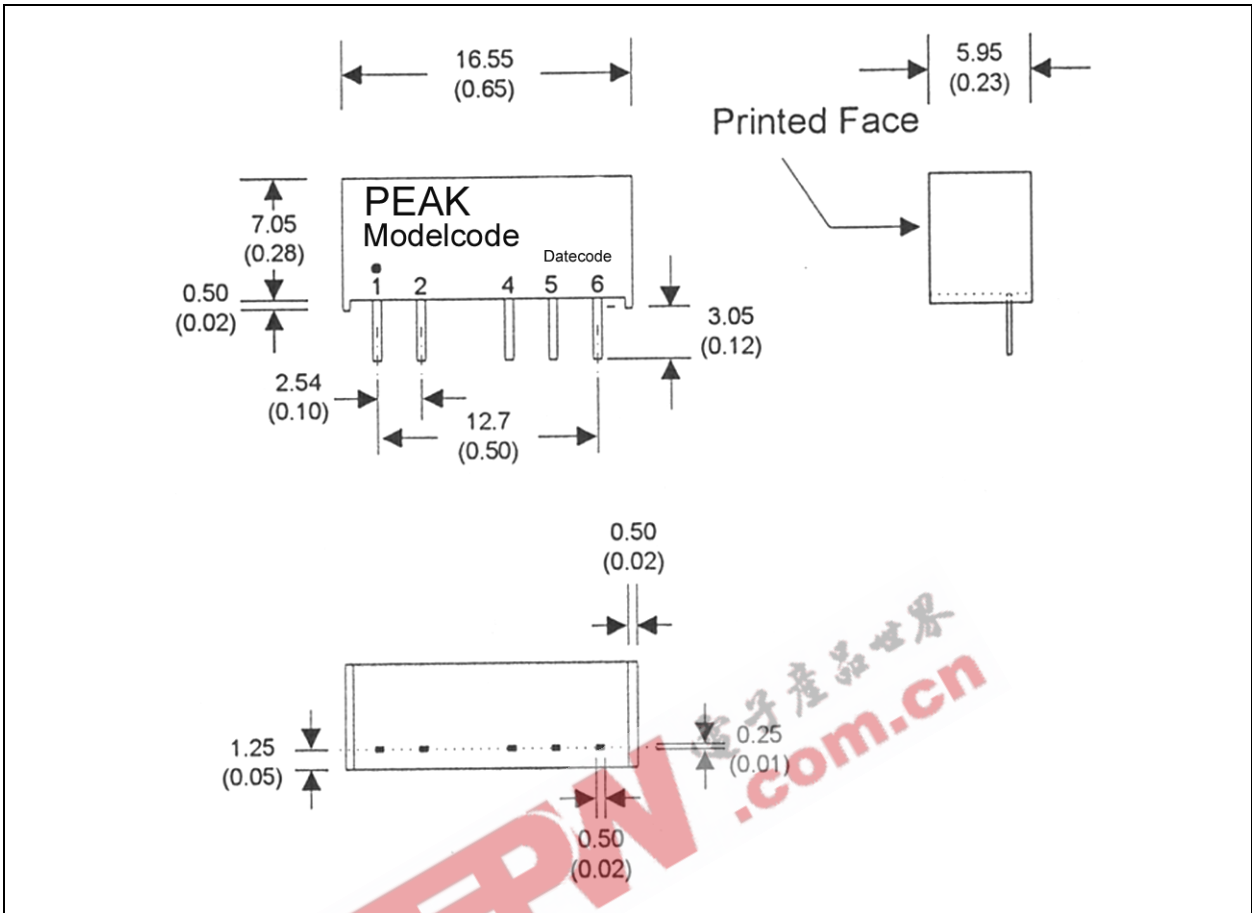
#### Physical Characteristics

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

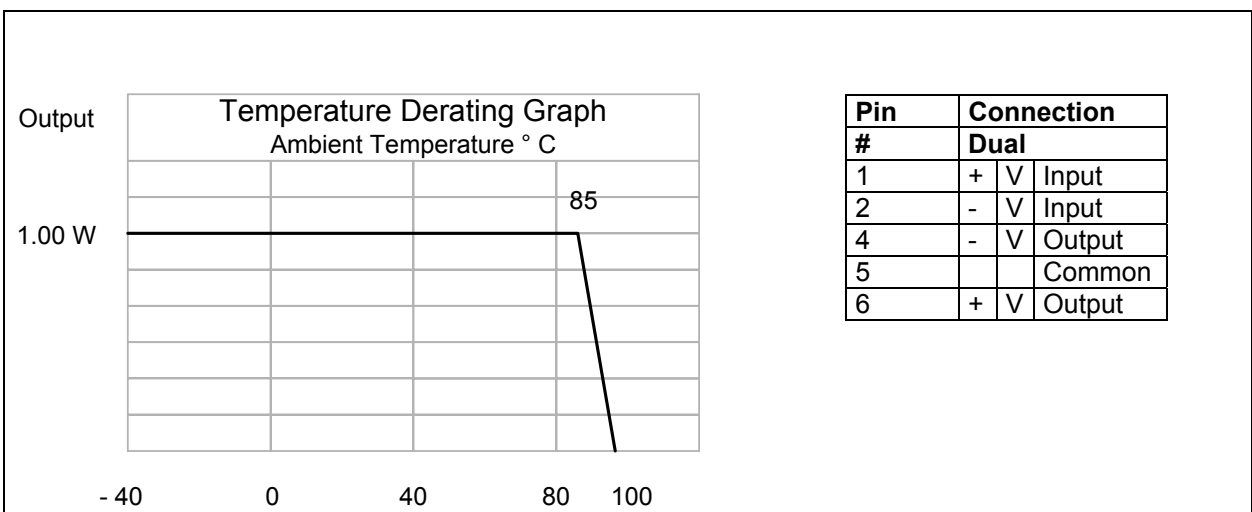
### Examples of Partnumbers

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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