

**M1 SERIES**

**P6DUI-XXXXXXZ 1KV ISOLATED 1W UNREGULATED DUAL SEPARATE OUTPUT DIP14**

**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 10<sup>9</sup> 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

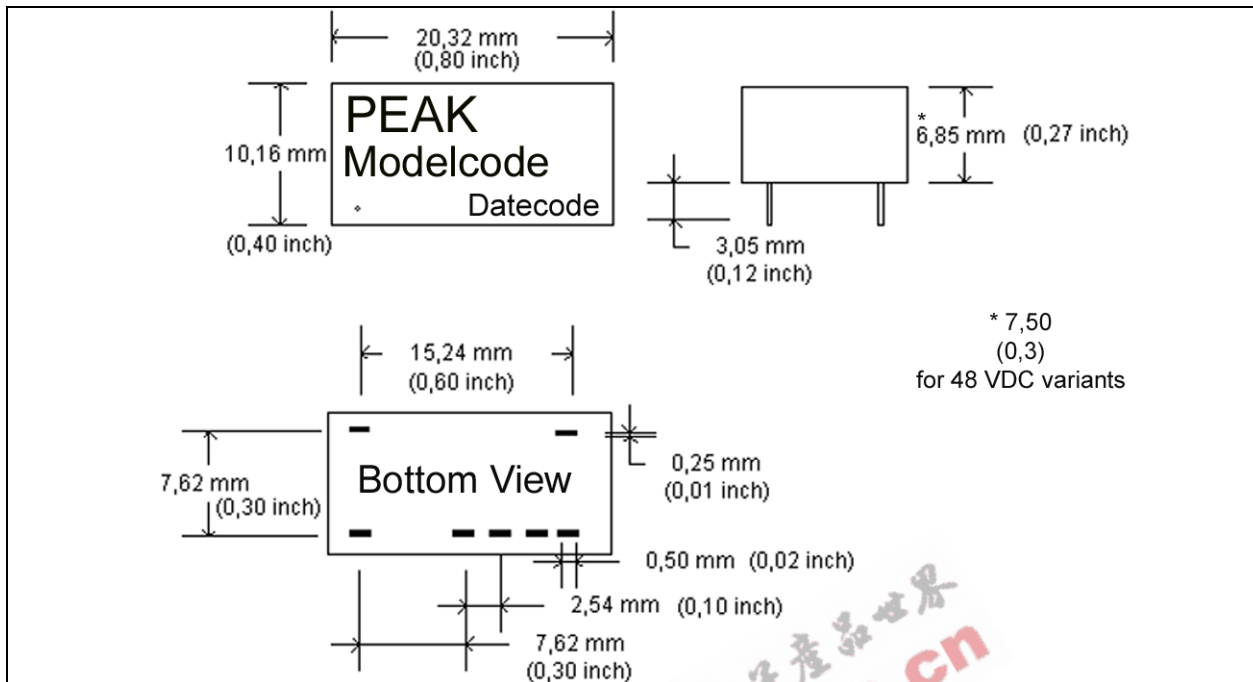
**Physical Characteristics**

Dimensions DIP 20,32 x 10,16 x 6,85 mm  
0,80 x 0,40 x 0,77 inches  
Weight 2 g  
Case material Non conductive black plastic

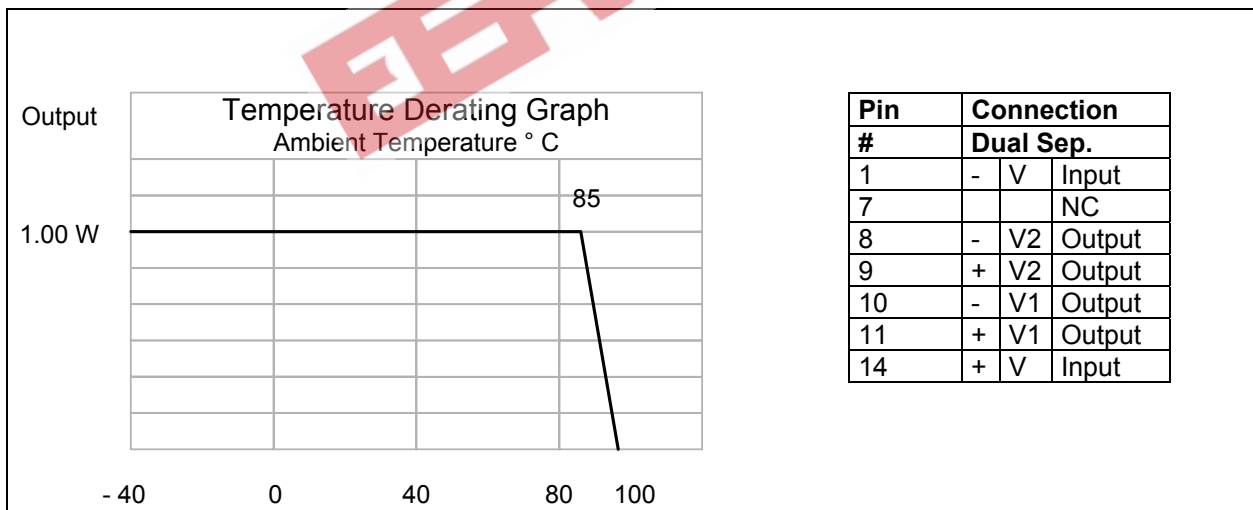
**Examples of Partnumbers/Modelcode**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6DUI-050505Z	5	16	277	5/5	100/100	72
P6DUI-050515Z	5	20	250	5/15	100/33	80
P6DUI-120505Z	12	11	119	5/5	100/100	70
P6DUI-120512Z	12	10	104	5/12	100/42	80
P6DUI-120515Z	12	13	106	5/15	100/33	78
P6DUI-240505Z	24	6	54	5/5	100/100	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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