

M1 SERIES P6DU-XXXXE 1KV ISOLATED 1W UNREGULATED SINGLE OUTPUT DIP14

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

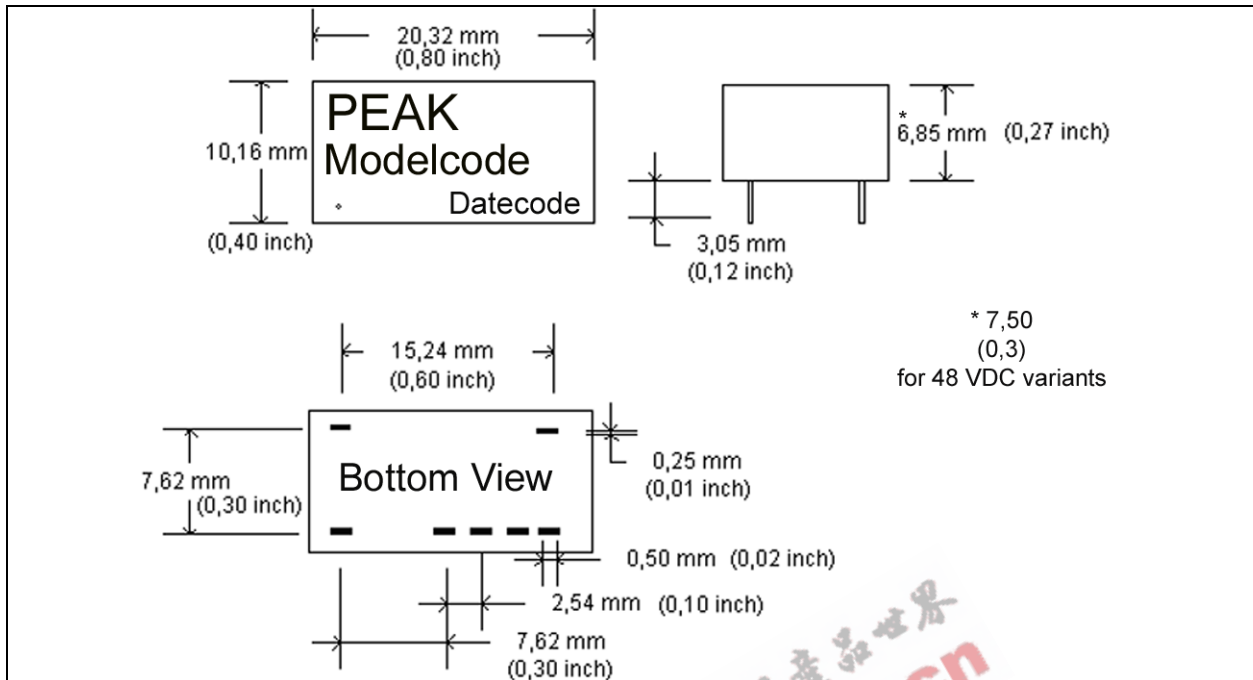
Physical Characteristics

Dimensions 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

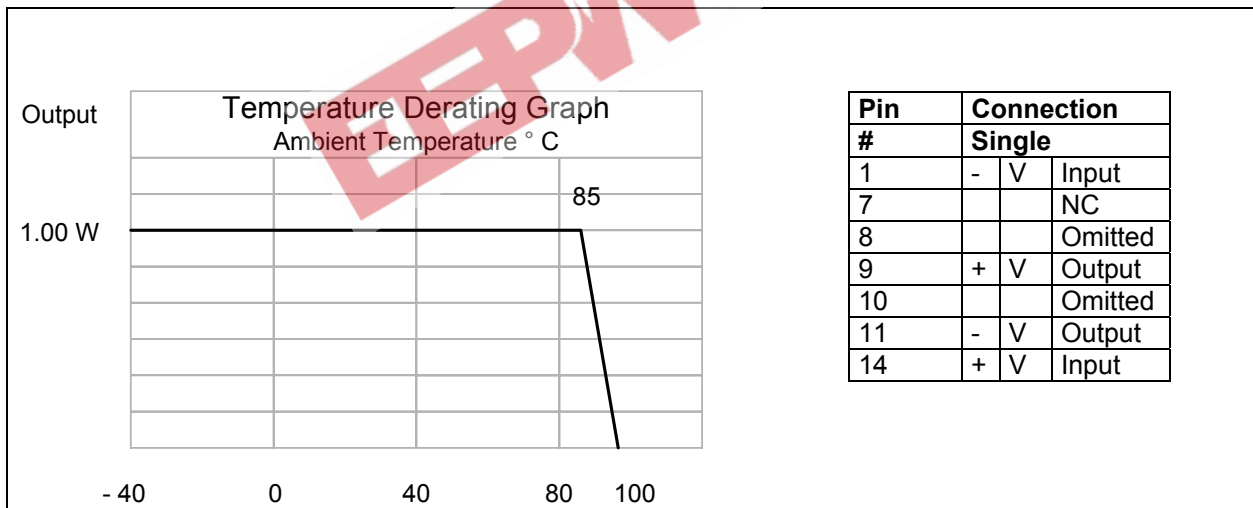
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6DU-0505E	5	16	266	5	200	75
P6DU-0512E	5	18	254	12	84	79
P6DU-1205E	12	11	119	5	200	70
P6DU-1212E	12	10	104	12	84	80
P6DU-243R3E	24	5	56	3,3	303	74
P6DU-2405E	24	6	55	5	200	76
P6DU-2412E	24	7	54	12	84	77
P6DU-4805E	48	5	31	5	200	67
P6DU-4812E	48	6	28	12	84	74

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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