

M1 SERIES P6MU-XXXXE 3KV ISOLATED 1W UNREGULATED SINGLE 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

3000 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

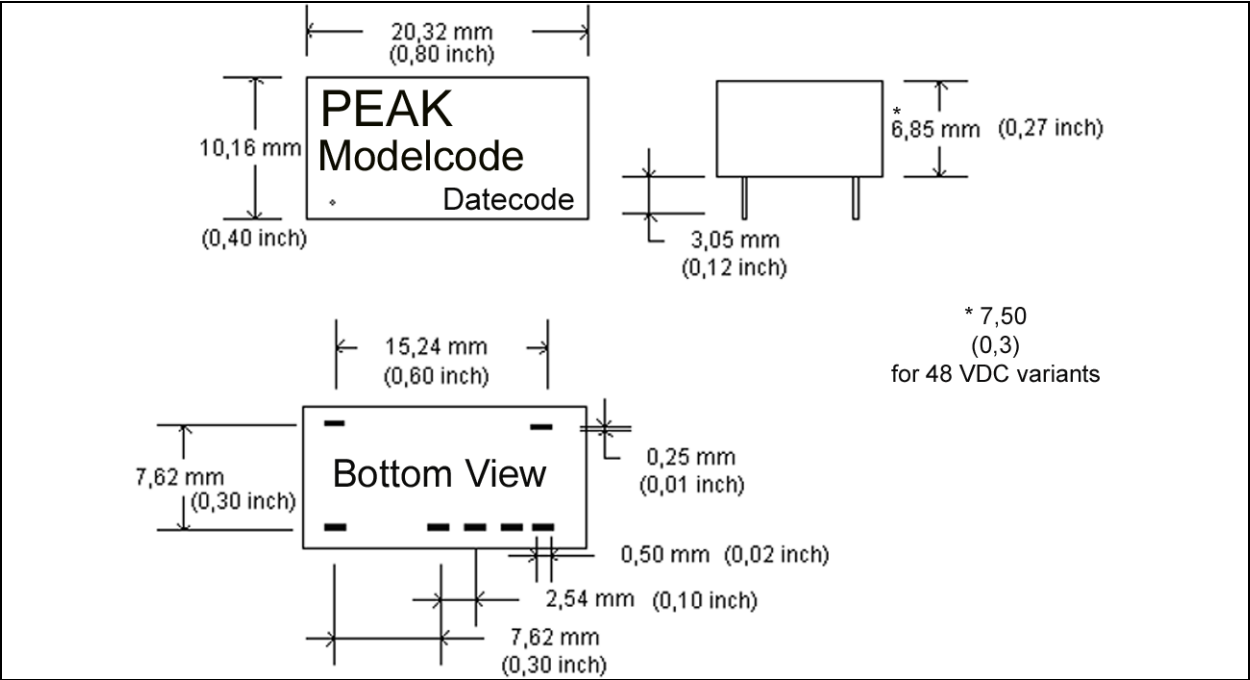
Case material

Non conductive black plastic

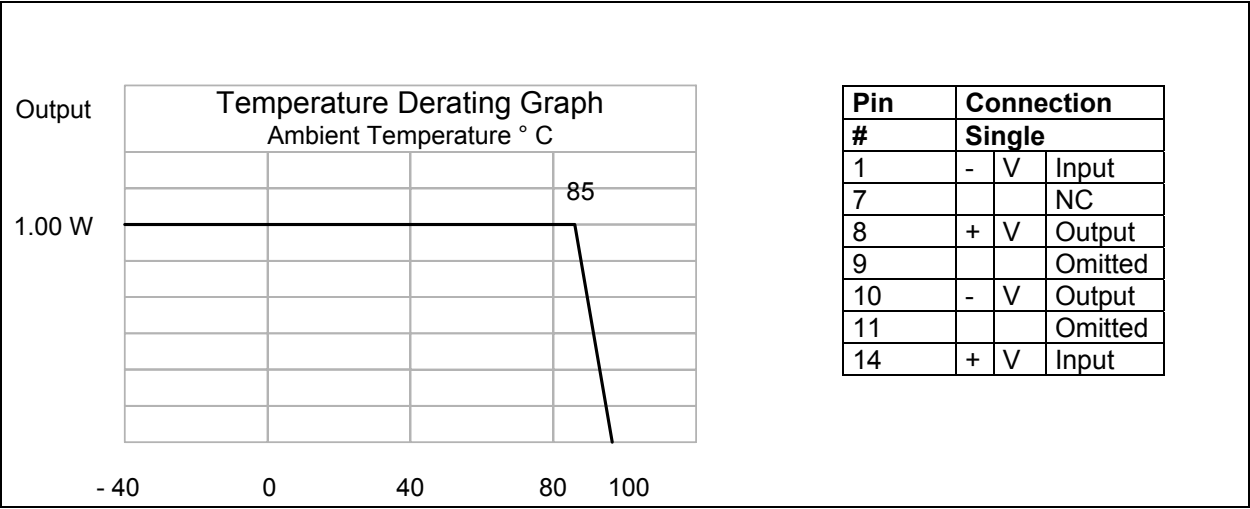
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6MU-0505E	5	16	277	5	200	72
P6MU-0512E	5	18	254	12	84	79
P6MU-1205E	12	11	119	5	200	70
P6MU-1212E	12	10	104	12	84	80
P6MU-2405E	24	6	55	5	200	76
P6MU-2412E	24	7	54	12	84	77
P6MU-2415E	24	8	55	15	67	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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