

**M1 SERIES P6MU-XXXXEH40 4 KV 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 4000 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

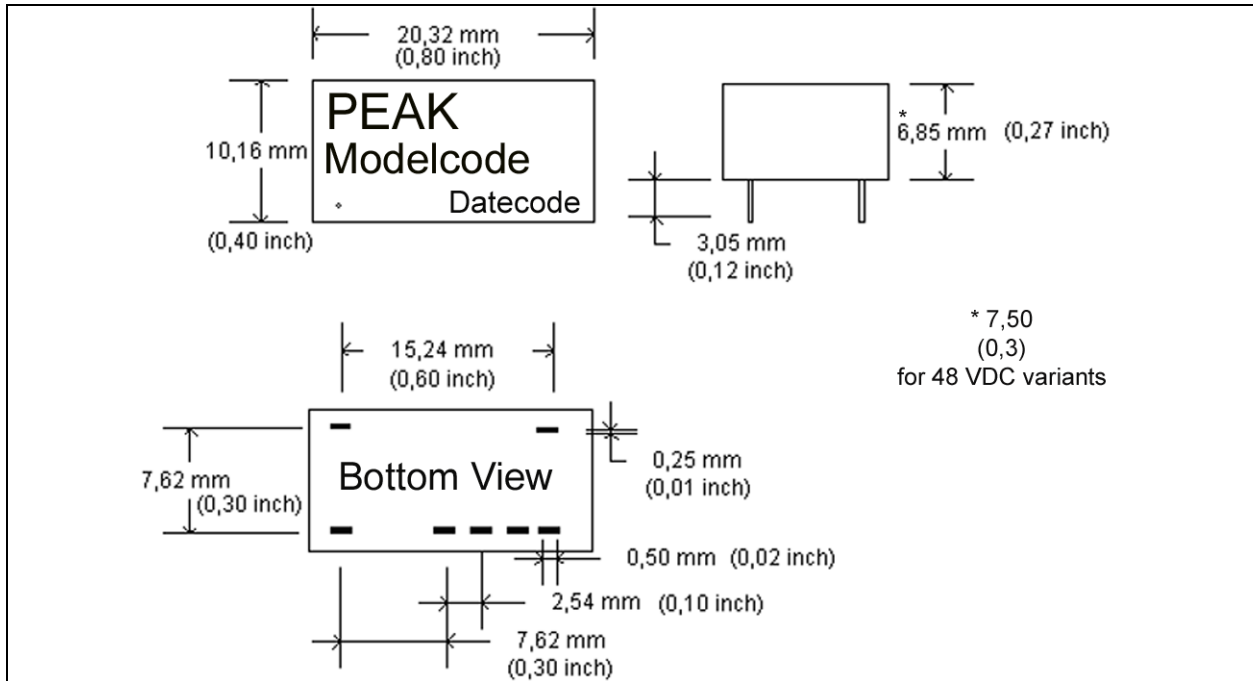
**Physical Characteristics**

 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

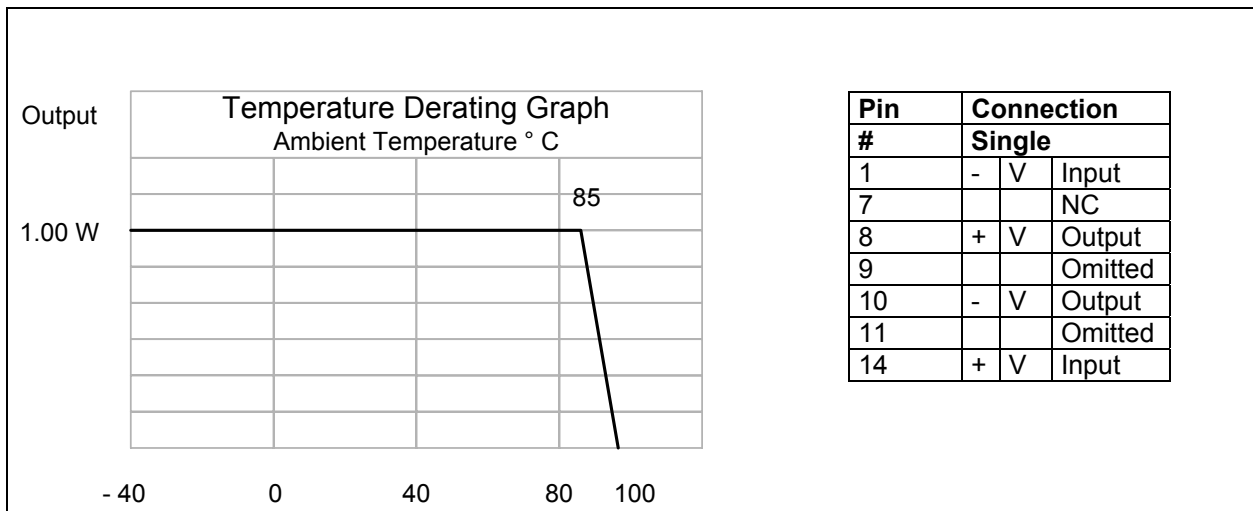
**Examples of Partnumbers/Modelcode**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6MU-0505EH40	5	16	277	5	200	72
P6MU-0512EH40	5	18	254	12	84	79
P6MU-1205EH40	12	11	119	5	200	70
P6MU-1212EH40	12	10	104	12	84	80
P6MU-2405EH40	24	6	55	5	200	76
P6MU-2412EH40	24	7	54	12	84	77
P6MU-2415EH40	24	8	55	15	67	76

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

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