

M1 SERIES
P6MU-XXXXZ 3KV ISOLATED 1W UNREGULATED DUAL 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

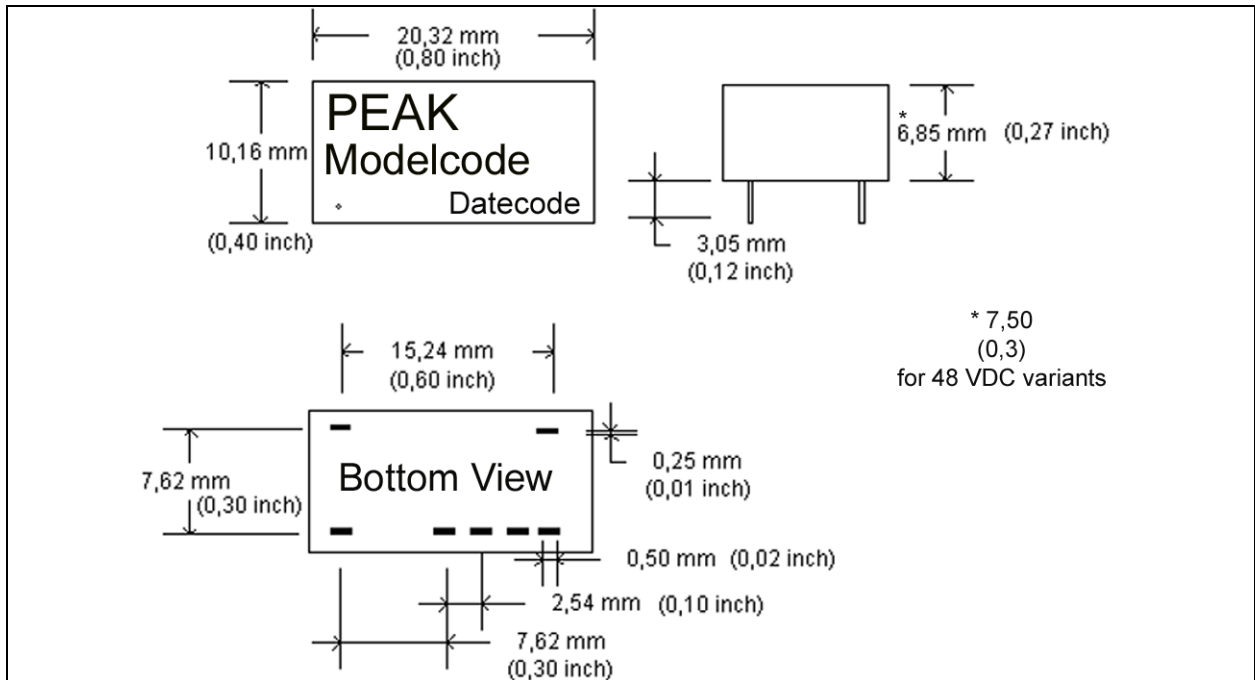
Physical Characteristics

 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

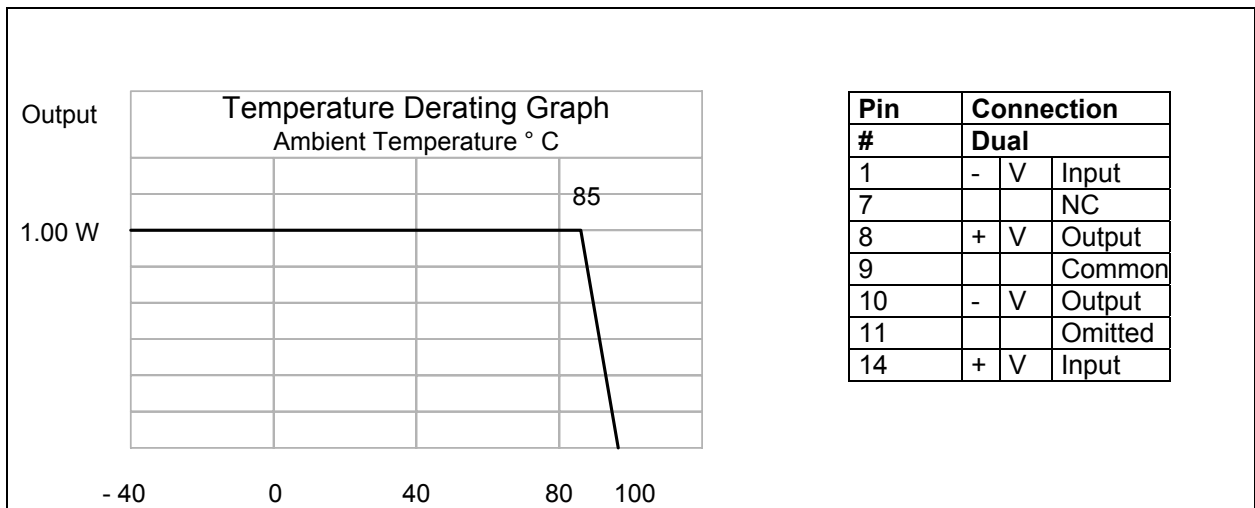
Examples of Partnumbers/Modelcode

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-053R3Z	5	14	285	+/- 3,3	+/- 150	70
P6MU-0505Z	5	16	281	+/- 5	+/- 100	71
P6MU-1205Z	12	11	119	+/- 5	+/- 100	70
P6MU-1212Z	12	10	104	+/- 12	+/- 42	80
P6MU-2405Z	24	6	55	+/- 5	+/- 100	76
P6MU-247R2Z	24	7	54	+/- 7,2	+/- 69	77
P6MU-2412Z	24	8	55	+/- 12	+/- 42	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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