

M1 SERIES P6MU-XXXXZH52 5.2 KV 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

5200 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

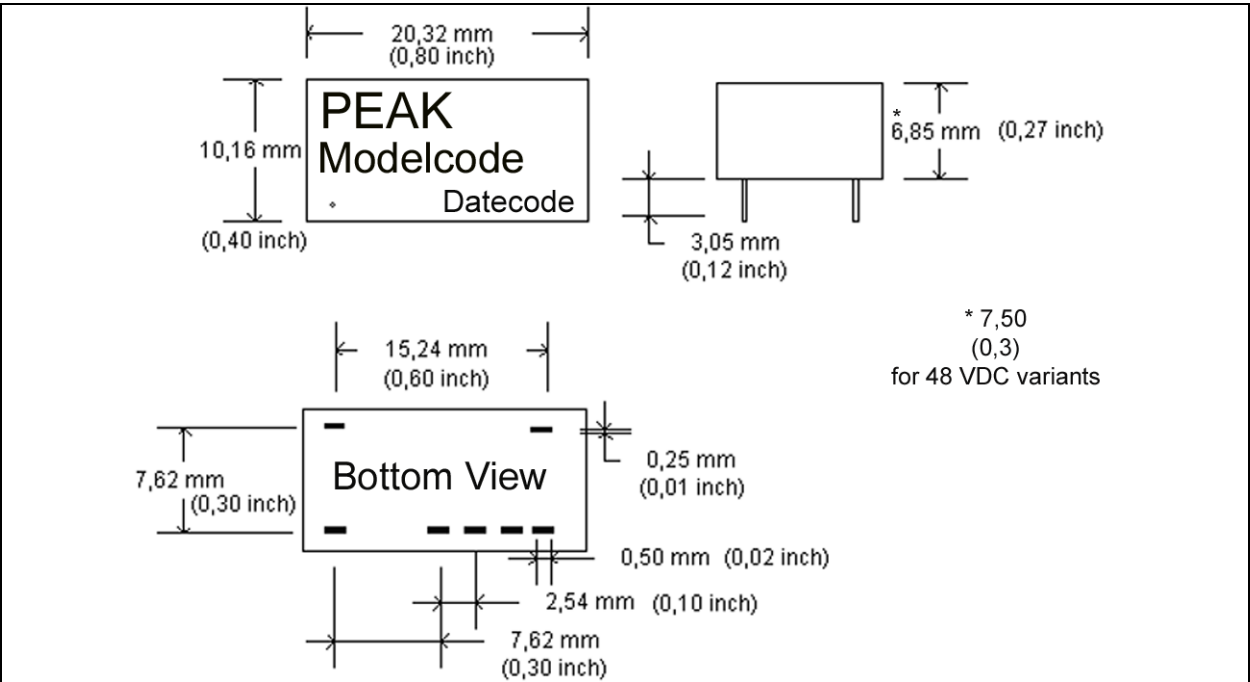
Case material

Non conductive black plastic

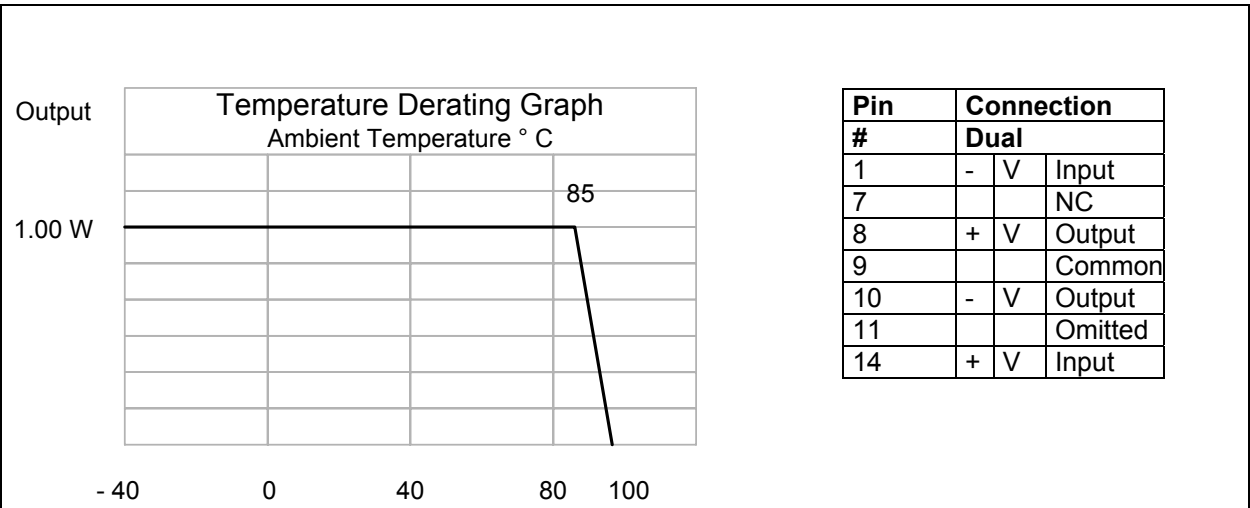
Examples of Partnumbers/Modelcode

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-053R3ZH52	5	14	285	+/- 3,3	+/- 150	70
P6MU-0505ZH52	5	16	281	+/- 5	+/- 100	71
P6MU-1205ZH52	12	11	119	+/- 5	+/- 100	70
P6MU-1212ZH52	12	10	104	+/- 12	+/- 42	80
P6MU-2405ZH52	24	6	55	+/- 5	+/- 100	76
P6MU-247R2ZH52	24	7	54	+/- 7,2	+/- 69	77
P6MU-2412ZH52	24	8	55	+/- 12	+/- 42	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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