

**MA  
SERIES**
**P6BU-XXXXZ 1KV ISOLATED 1 W UNREGULATED DUAL OUTPUT DIP8**
**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

1000 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)

100 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

75 % to 85 %

Switching frequency

80 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

12,7 X 10,16 x 6,85 mm

0,5 x 0,4 x 0,24 inches

Weight

1,8 g

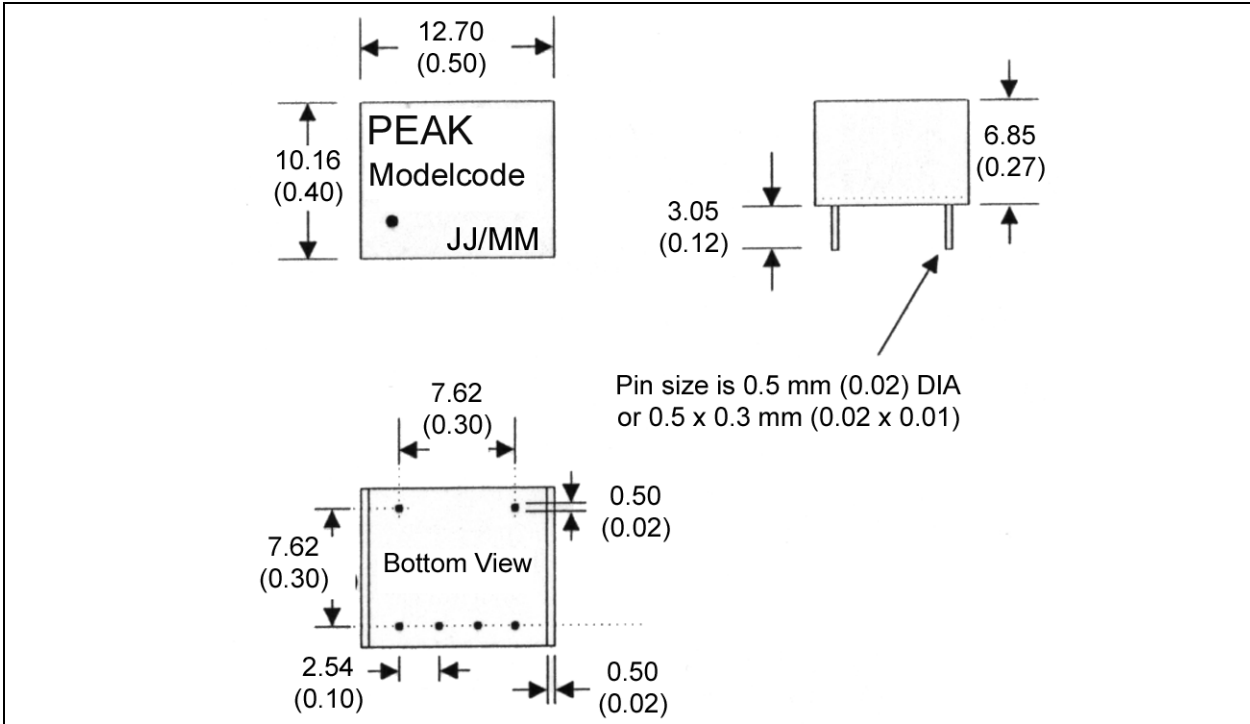
Case material

Non conductive black plastic

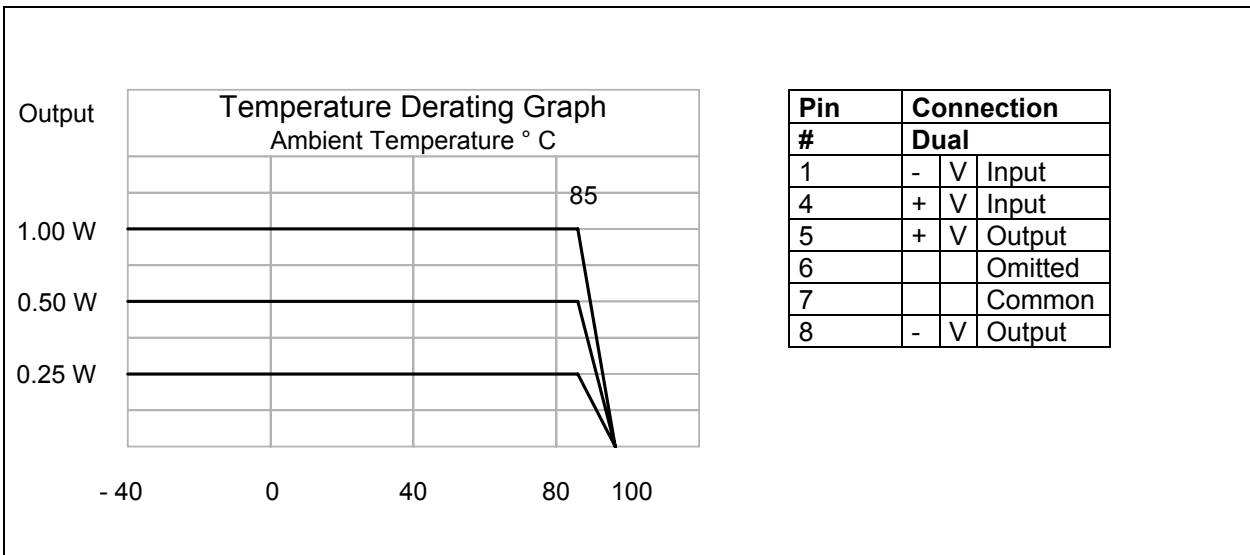
**Examples of Partnumbers**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6BU-0505Z	5	16	281	+/-5	+/-100	71
P6BU-0512Z	5	18	303	+/-12	+/-50	79
P6BU-0515Z	5	20	262	+/-15	+/-35	80
P6BU-1205Z	12	11	119	+/-5	+/-100	70
P6BU-1212Z	12	10	125	+/-12	+/-50	80
P6BU-2405Z	24	6	55	+/-5	+/-100	76
P6BU-2412Z	24	8	65	+/-12	+/-50	76
P6BU-2415Z	24	8	58	+/-15	+/-35	76

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

Copyright PEAK electronics GmbH