

**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

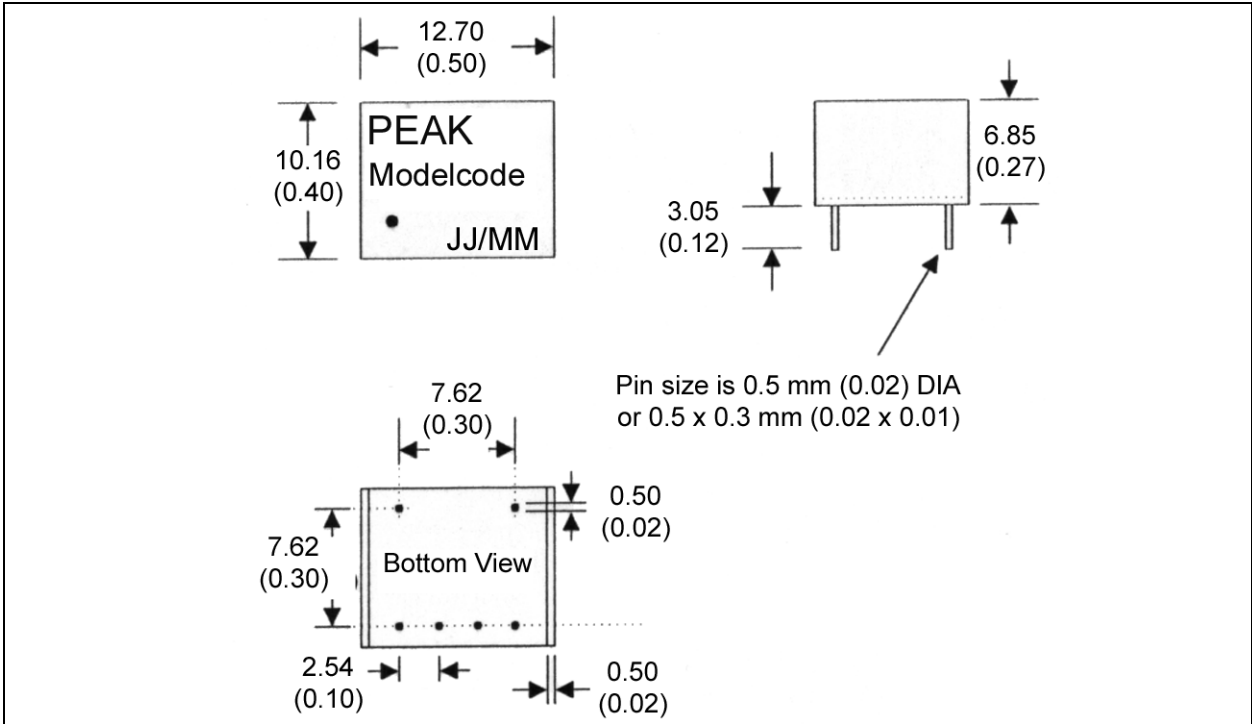
Case material

Non conductive black plastic

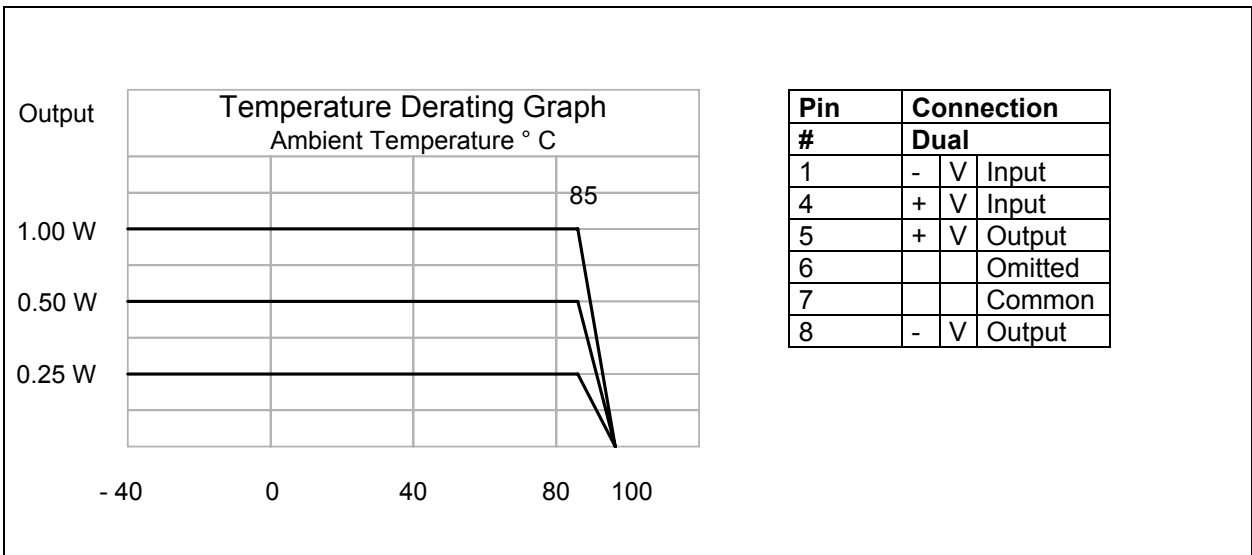
**Examples of Partnumbers**

| 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.

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