

**MA  
SERIES**

**P2BU-XXXXE 1KV ISOLATED 0,25 W UNREGULATED SINGLE 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 80 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 55 % to 75 %  
Switching frequency 80 KHz, typ.

**Environmental Specifications**

Operating temperature (ambient) - 40° C to + 85° C  
Storage temperature - 55° C to + 125° C  
Humidity Up to 90 %, non condensing  
Cooling Free air convection

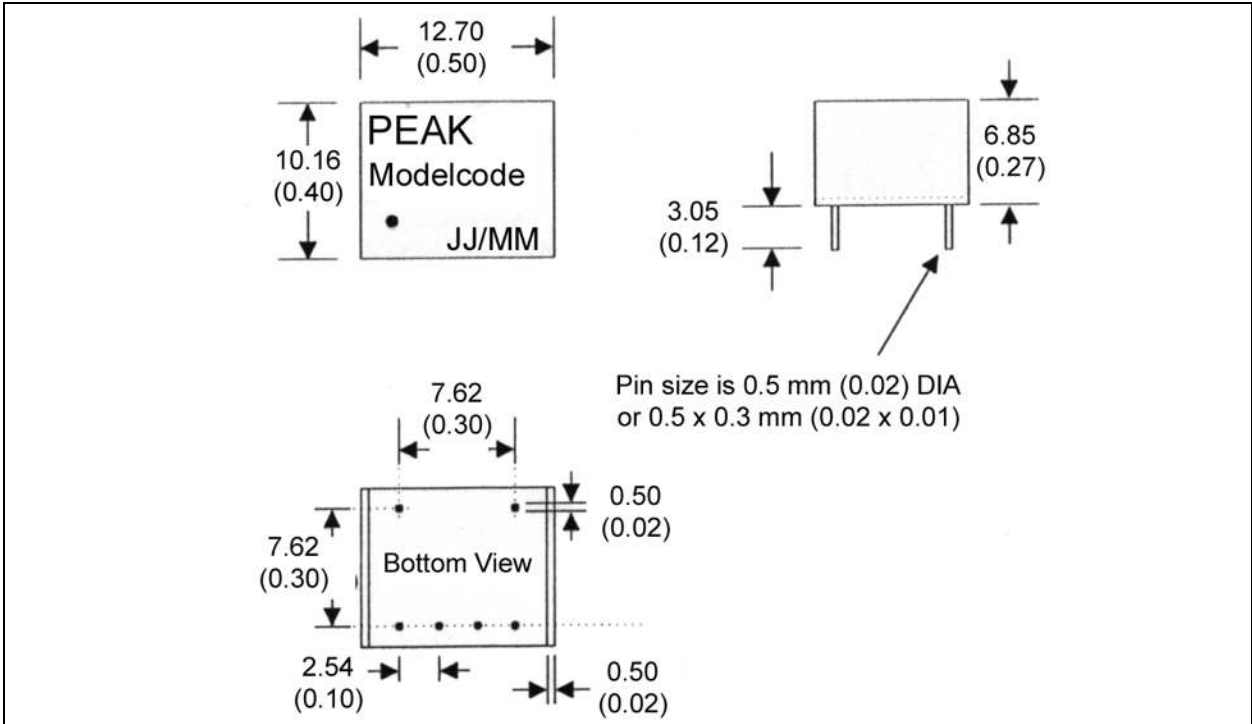
**Physical Characteristics**

Dimensions DIP 12,70 x 10,16 x 6,85 mm  
0,50 x 0,40 x 0,27 inches  
Weight 1,8 g  
Case material Non conductive black plastic

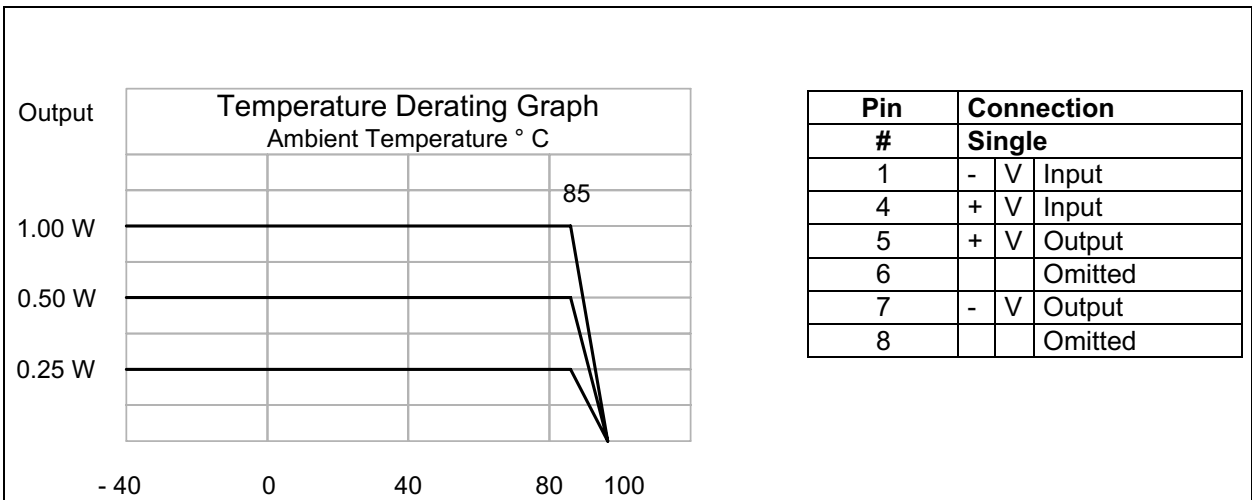
**Examples of Partnumbers**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P2BU-0505E	5	14	77.00	05	50.00	65
P2BU-0512E	5	14	70.43	12	20.83	71
P2BU-0515E	5	14	70.43	15	16.66	71
P2BU-0524E	5	18	73.53	24	10.42	68
P2BU-1205E	12	12	32.06	05	50.00	65
P2BU-1212E	12	12	29.35	12	20.83	71
P2BU-1215E	12	12	29.35	15	16.66	71
P2BU-1505E	15	09	25.00	05	50.00	67
P2BU-2405E	24	07	17.95	05	50.00	58
P2BU-2412E	24	07	16.03	12	20.83	65
P2BU-2415E	24	07	16.03	15	16.66	65

**Dimensions**



**Pinning**



Specification can be changed without notice.

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