

**MA SERIES**
**P3BU-XXXXE 1KV ISOLATED 0,5W 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  $10^9$  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  $V_{in}$   
 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

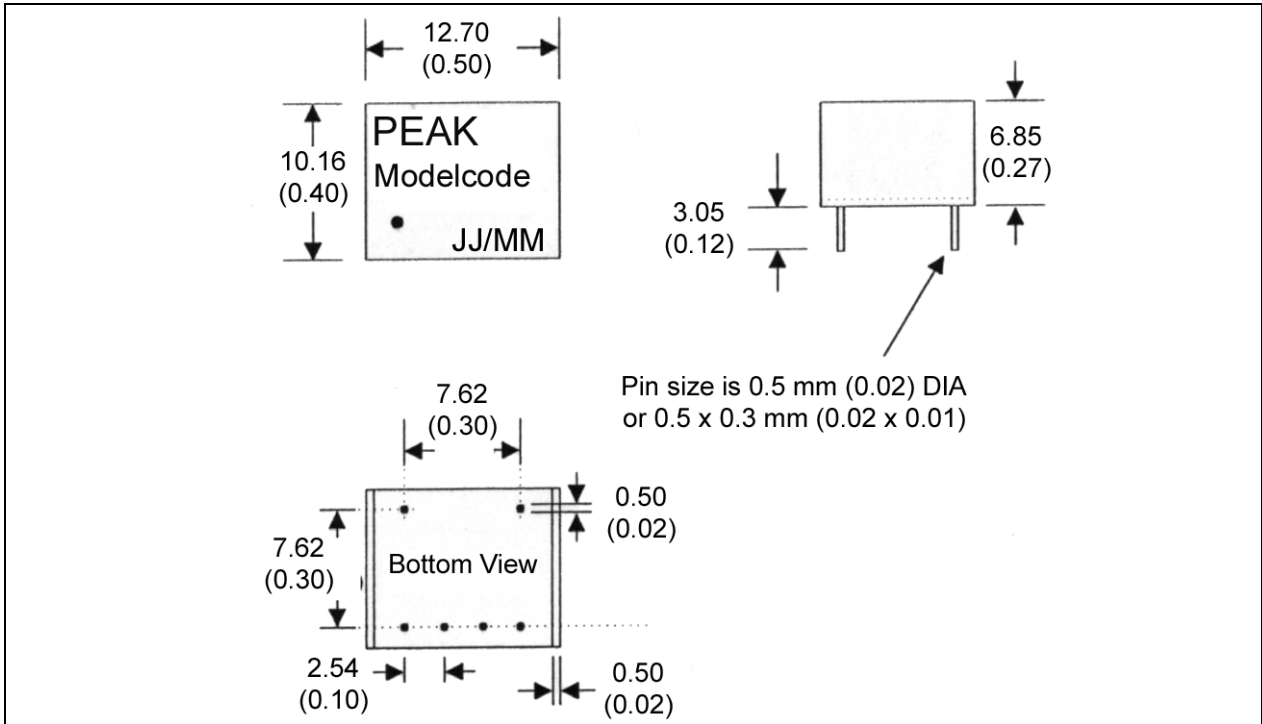
**Physical Characteristics**

 Dimensions DIP 12,70 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

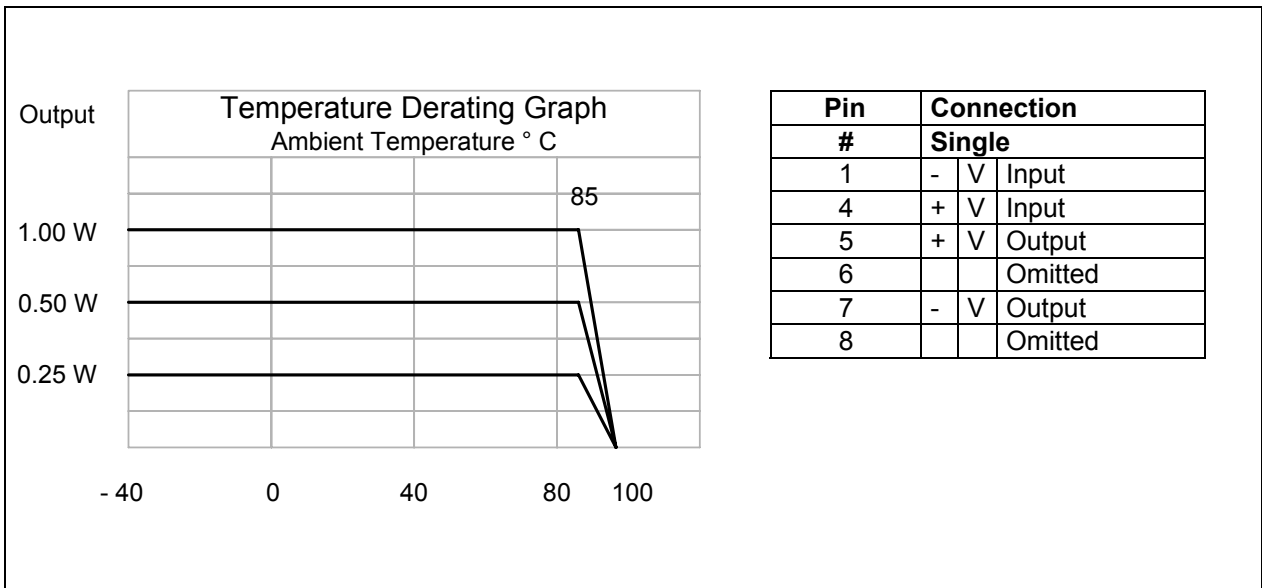
**Examples of Partnumbers**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P3BU-053R3E	5	16	133	3,3	150	74
P3BU-0505E	5	16	135	5	100	74
P3BU-057R2E	5	16	134	7,2	70	75
P3BU-0512E	5	16	133	12	42	76
P3BU-1205E	12	14	56	05	100	74
P3BU-1212E	12	14	55	12	42	76
P3BU-2405E	24	8	29	05	100	72

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

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