

**MA  
SERIES**
**P6BU-XXXXE 1KV ISOLATED 1W 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

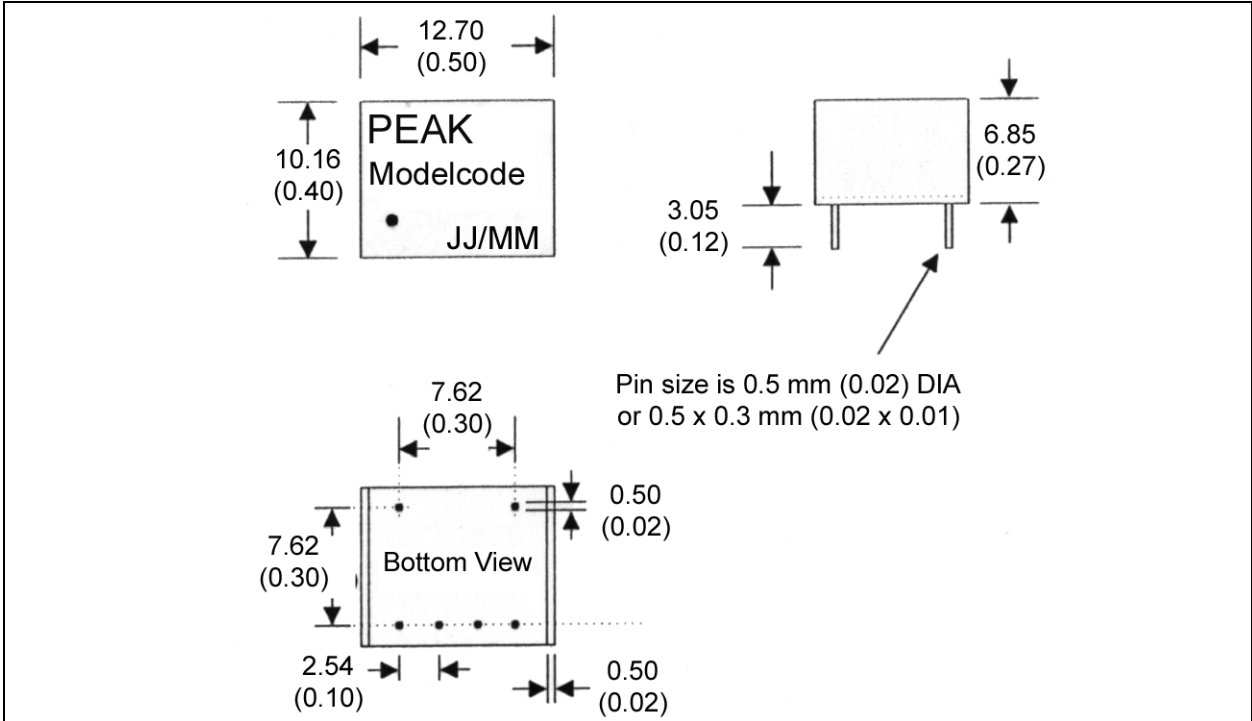
**Physical Characteristics**

 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.)
P6BU-053R3E	5	16	267	3,3	300	74
P6BU-0505E	5	16	253	5	200	79
P6BU-057R2E	5	16	255	7,2	140	79
P6BU-0512E	5	16	307	12	100	78
P6BU-0515E	5	20	262	15	70	80
P6BU-1205E	12	14	105	5	200	79
P6BU-1212E	12	14	105	12	100	79
P6BU-1215E	12	13	112	15	70	78
P6BU-2405E	24	8	56	5	200	74
P6BU-2412E	24	7	65	12	100	77
P6BU-2415E	24	8	57	15	70	76

Dimensions



Derating Graph and Pinning

