

**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

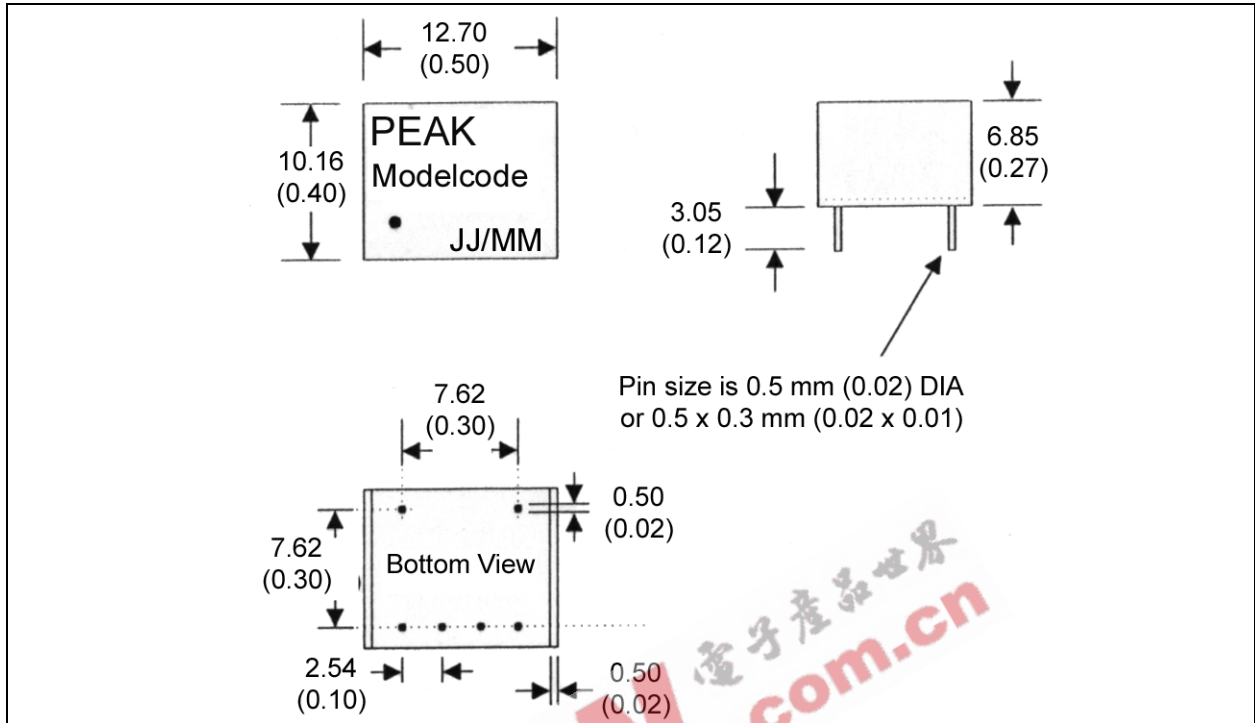
Physical Characteristics

 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

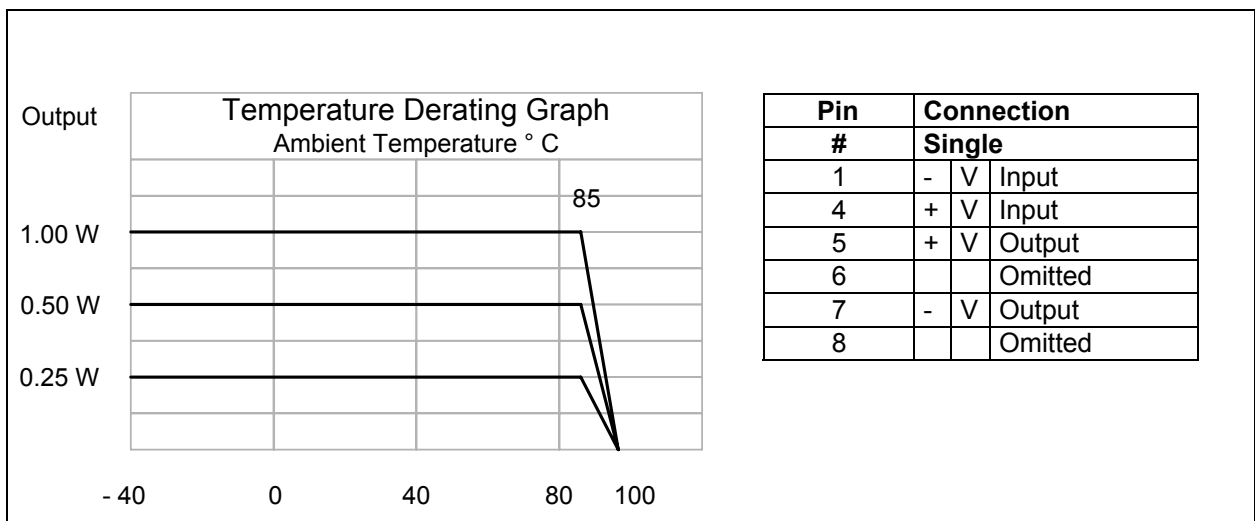
Examples of Partnumbers

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



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