

**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 10⁹ 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

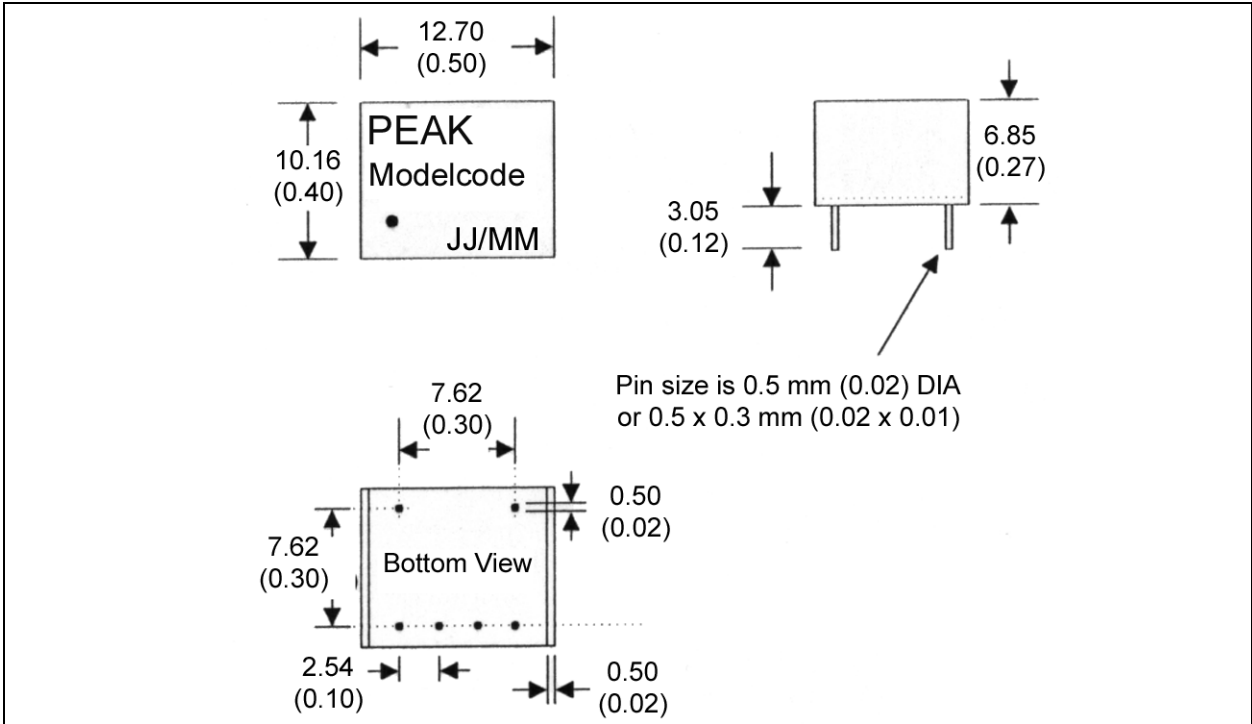
Physical Characteristics

 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

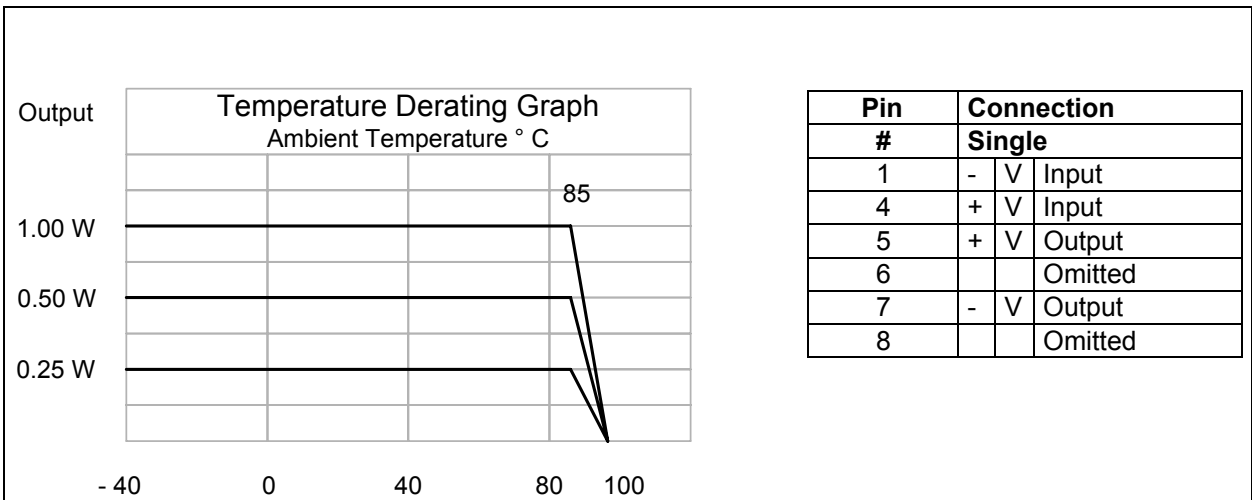
Examples of Partnumbers

| 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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