

**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

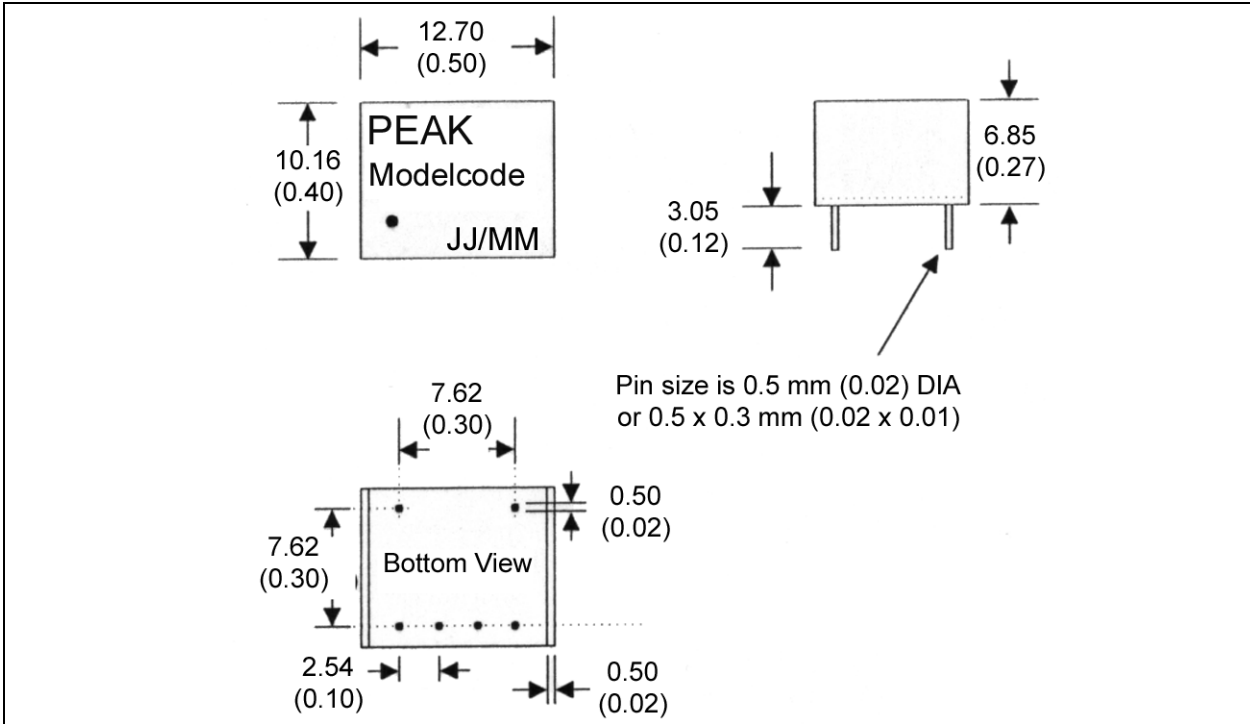
Physical Characteristics

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

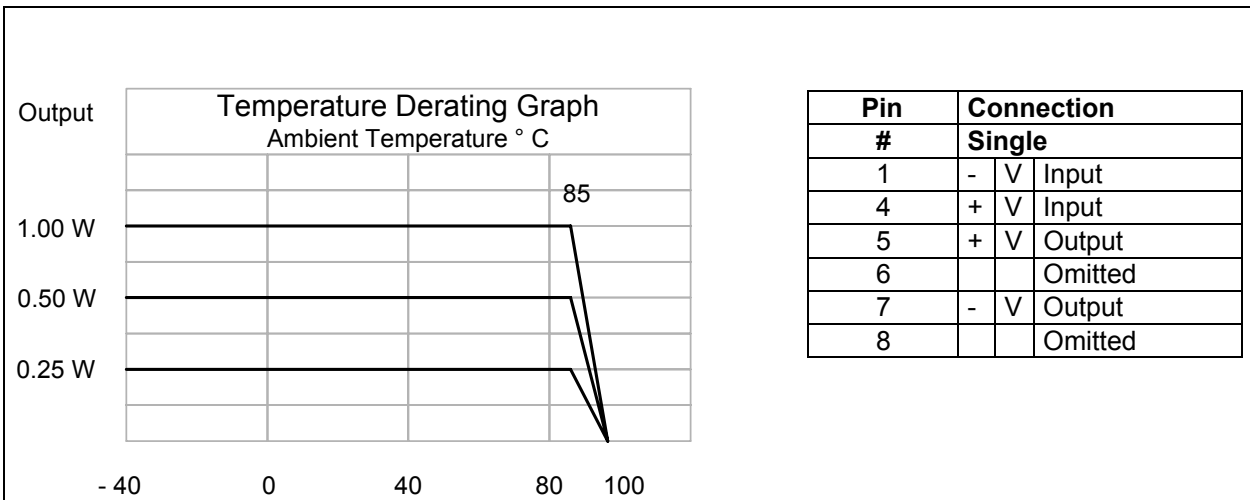
Examples of Partnumbers

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.

Copyright PEAK electronics GmbH