

**MA
SERIES**

P6BU-XXXXZ 1KV ISOLATED 1 W UNREGULATED DUAL 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 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 Vin
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

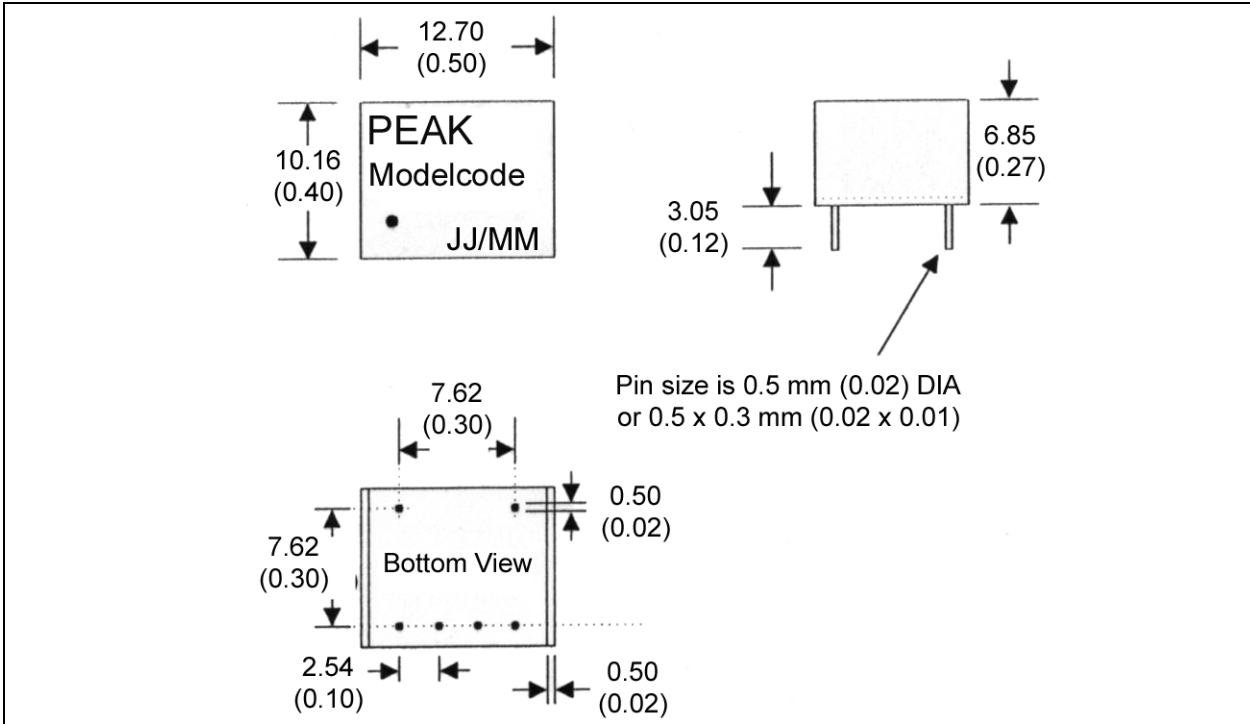
Physical Characteristics

Dimensions DIP 12,7 X 10,16 x 6,85 mm
0,5 x 0,4 x 0,24 inches
Weight 1,8 g
Case material Non conductive black plastic

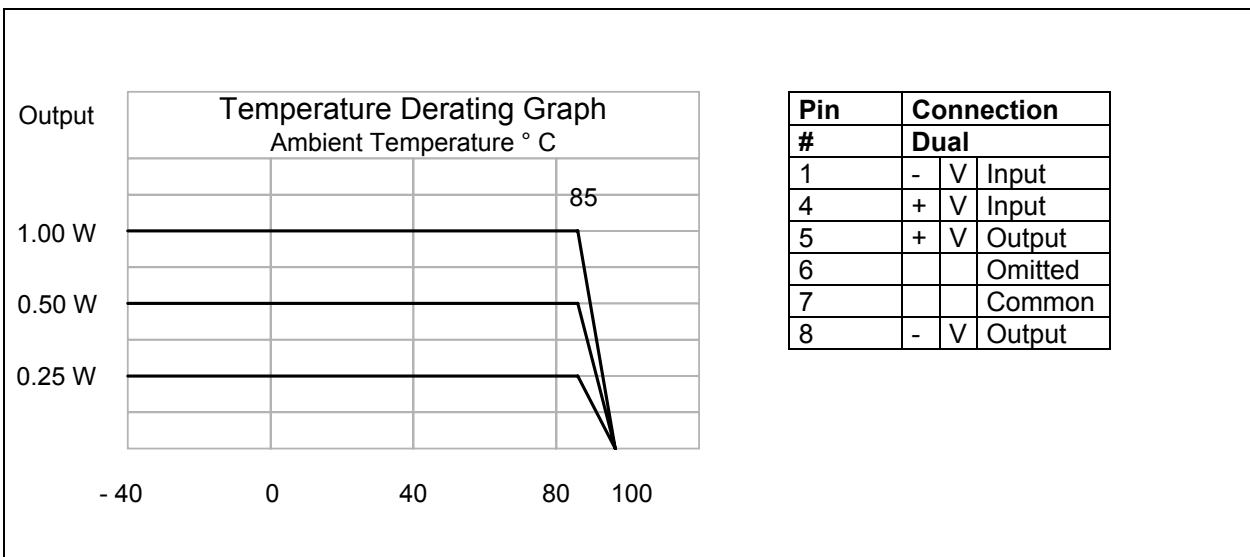
Examples of Partnumbers

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-0505Z	5	16	281	+/-5	+/-100	71
P6BU-0512Z	5	18	303	+/-12	+/-50	79
P6BU-0515Z	5	20	262	+/-15	+/-35	80
P6BU-1205Z	12	11	119	+/-5	+/-100	70
P6BU-1212Z	12	10	125	+/-12	+/-50	80
P6BU-2405Z	24	6	55	+/-5	+/-100	76
P6BU-2412Z	24	8	65	+/-12	+/-50	76
P6BU-2415Z	24	8	58	+/-15	+/-35	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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