

MA SERIES P6KU-XXXXE 3KV ISOLATED 1 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

3000 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

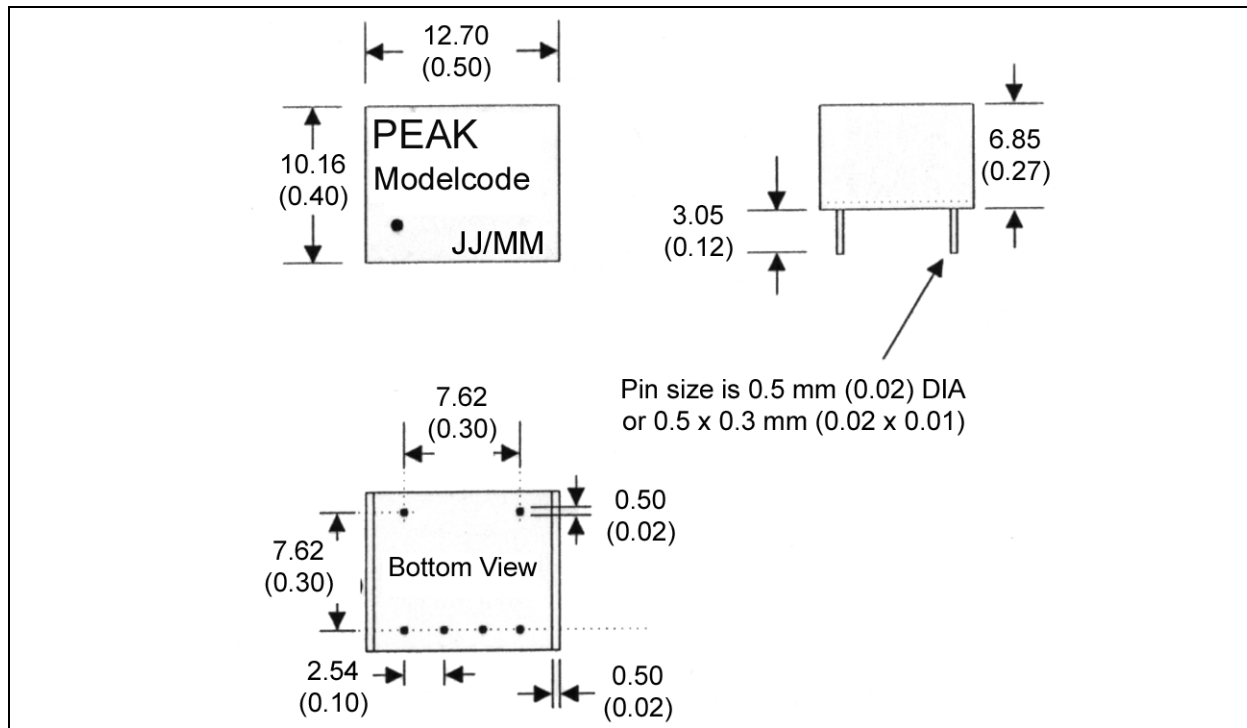
Case material

Non conductive black plastic

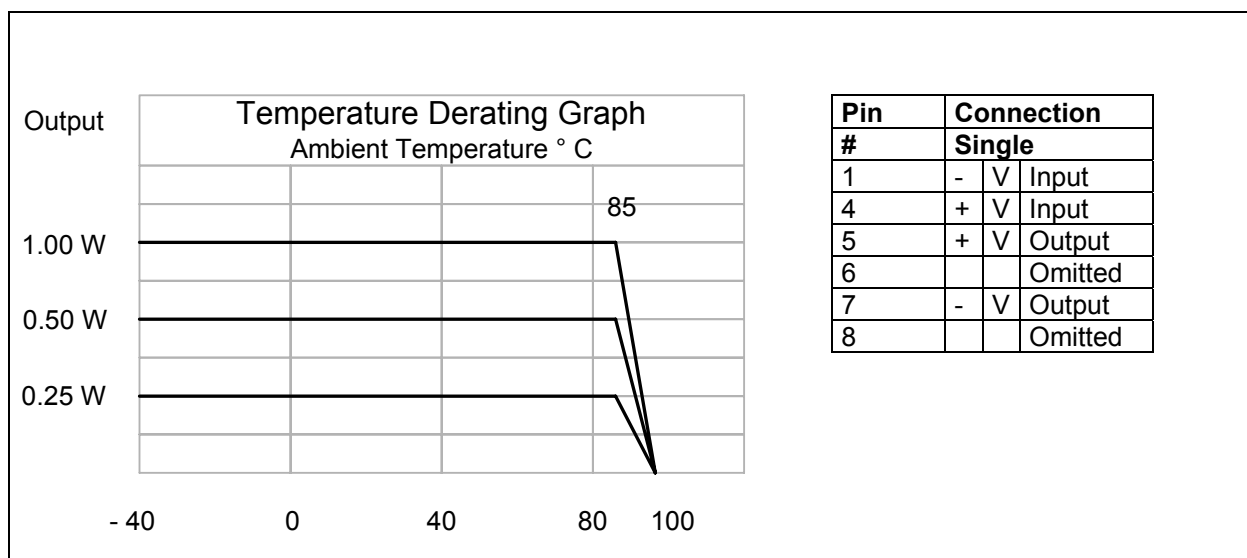
Examples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6KU-0505E	5	16	277	5	200	72
P6KU-0512E	5	18	303	12	100	79
P6KU-0515E	5	20	262	15	70	80
P6KU-1205E	12	11	119	5	200	70
P6KU-1212E	12	10	125	12	100	80
P6KU-2405E	24	6	55	5	200	76
P6KU-2412E	24	7	65	12	100	77
P6KU-2415E	24	8	57	15	70	76

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH