

MA SERIES P7BU-XXXXE 1KV ISOLATED 1.25 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 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 70 % to 80 %

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

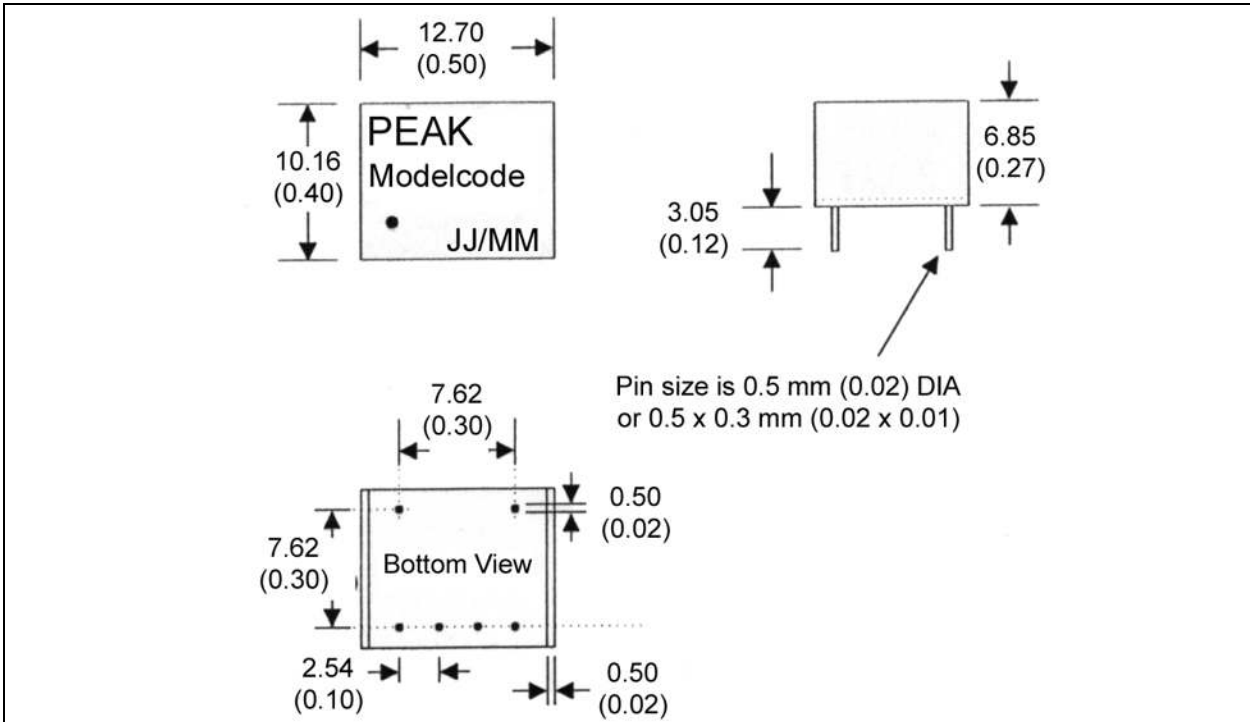
Weight 1,8 g

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.)
P7BU-0505E	5	25	320.5	5	250	78
P7BU-0512E	5	25	320.5	12	104	78
P7BU-0515E	5	25	320.5	15	84	78
P7BU-1205E	12	16	133.5	5	250	78
P7BU-1212E	12	16	133.5	12	104	78
P7BU-1215E	12	16	133.5	15	84	78
P7BU-2405E	24	8	66.8	5	250	78
P7BU-2412E	24	8	66.8	12	104	78
P7BU-2415E	24	8	66.8	15	84	78
P7BU-2424E	24	8	69	24	52	78

Dimensions



Derating Graph and Pinning

