Telefon: +49 (0) 6135 931069
Telefax: +49 (0) 6135 931070
www.peak-electronics.de
info@peak-electronics.de

MA SERIES P3BU-XXXXE 1KV ISOLATED 0,5W 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.

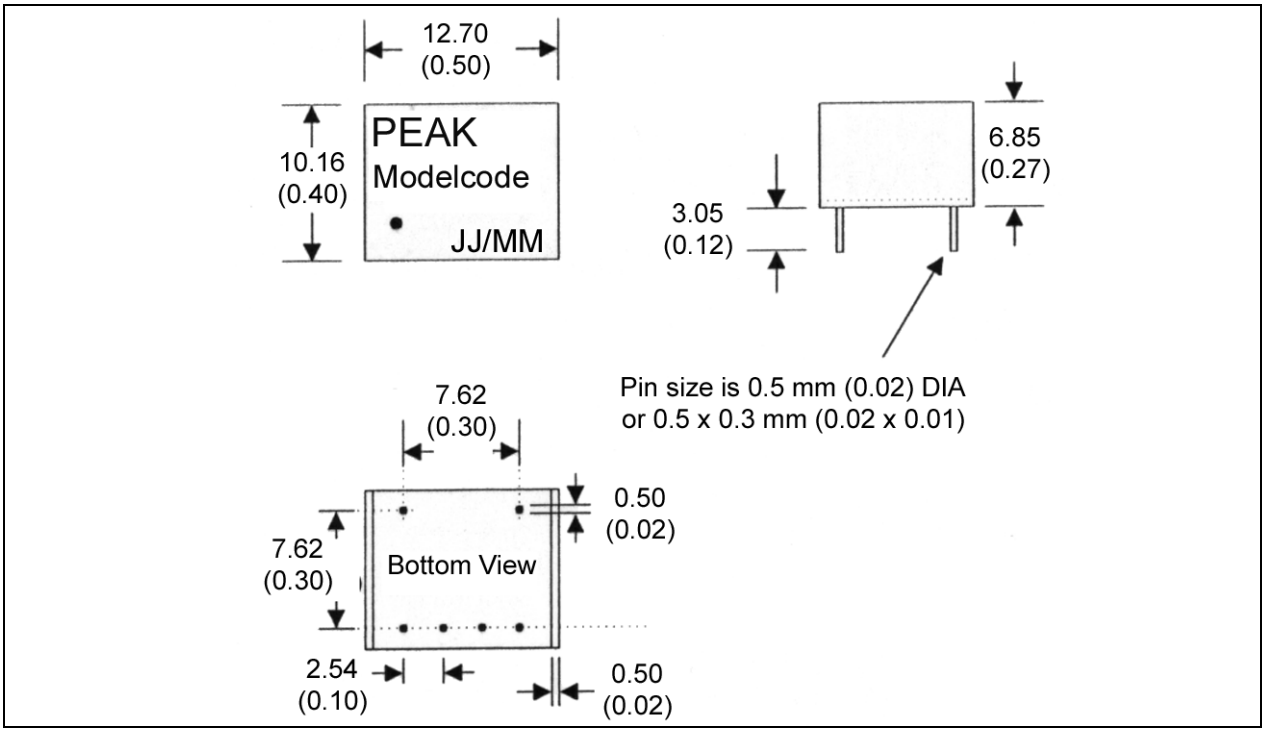
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications	
Voltage range	+/- 10 %
Filter	Capacitors
Isolation Specifications	
Rated voltage	1000 VDC
Leakage current	1 mA
Resistance	10^9 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	12,70 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

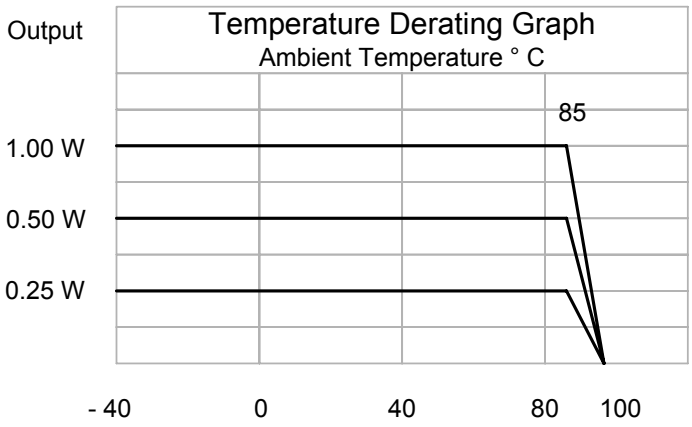
Examples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P3BU-053R3E	5	16	133	3,3	150	74
P3BU-0505E	5	16	135	5	100	74
P3BU-057R2E	5	16	134	7,2	70	75
P3BU-0512E	5	16	133	12	42	76
P3BU-1205E	12	14	56	05	100	74
P3BU-1212E	12	14	55	12	42	76
P3BU-2405E	24	8	29	05	100	72

Dimensions



Derating Graph and Pinning



Pin	Connection		
#	Single		
1	-	V	Input
4	+	V	Input
5	+	V	Output
6			Omitted
7	-	V	Output
8			Omitted

Specification can be changed without notice.

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