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

M3 SERIES **P10DU-XXXXE 1KV ISOLATED 2W UNREGULATED SINGLE OUTPUT DIP14**

Available Inputs:
5, 12, 24 and 48 VDC
Available Outputs:
5, 7.2, 12 and 15 VDC
Other specifications please enquire

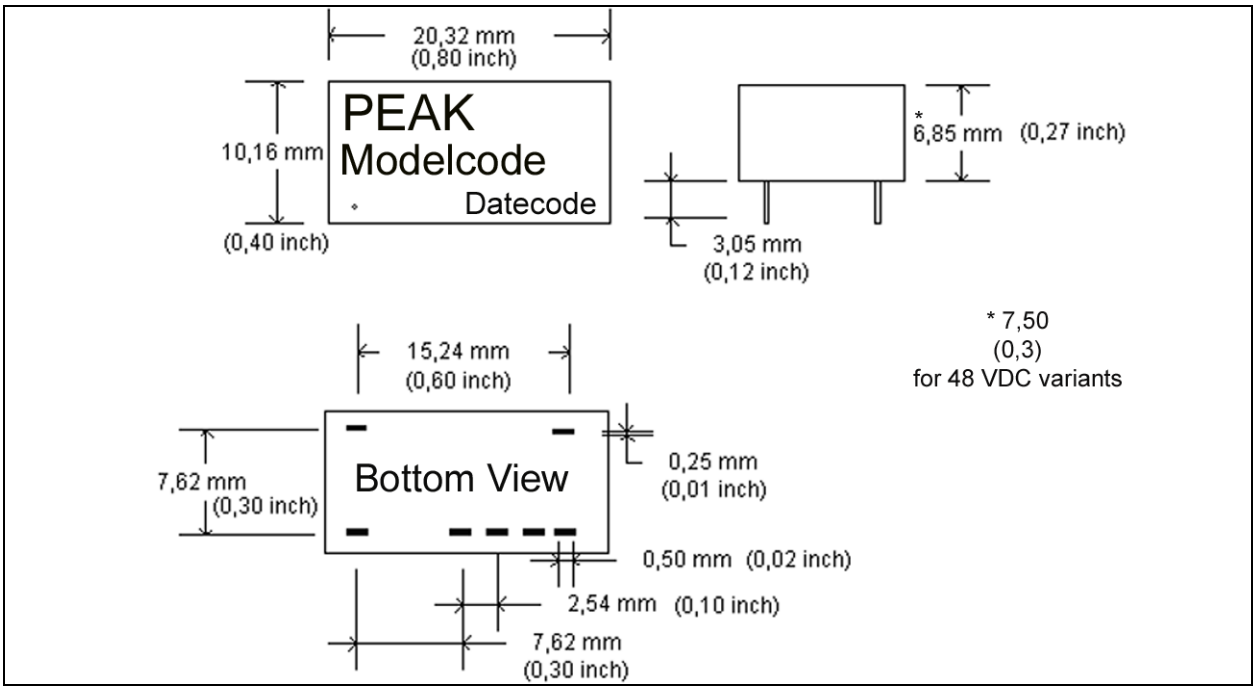
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

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)	75 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 85 %
Switching frequency	85 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	20.32 x 10.16 x 6.85 mm 0.80 x 0.40 x 0.27 inches
Weight	2,5 g 3,5 g for 48 VDC
Case material	Non conductive black plastic

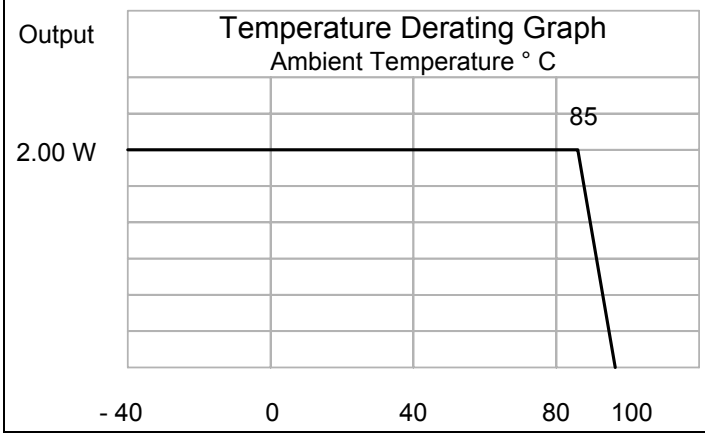
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10DU-0505E	5	28	555	5	400	72
P10DU-0512E	5	28	500	12	167	80
P10DU-1205E	12	22	228	5	400	73
P10DU-1212E	12	20	208	12	167	80
P10DU-2405E	24	10	113	5	400	74
P10DU-2412E	24	9	101	12	167	82

Dimensions



Derating Graph and Pinning



Pin	Connection		
#	Single		
1	-	V	Input
7			NC
8			Omitted
9	+	V	Output
10			Omitted
11	-	V	Output
14	+	V	Input

Specification can be changed without notice.

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