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

M1 SERIES P6DUI-XXXXXXZ 1KV ISOLATED 1W UNREGULATED DUAL SEPARATE OUTPUT DIP14

Available Inputs:
5, 12, and 24 VDC
Available Outputs:
(++) 3.3, 5, 7.2, 12, 15 and 18 VDC
Other specifications please enquire.

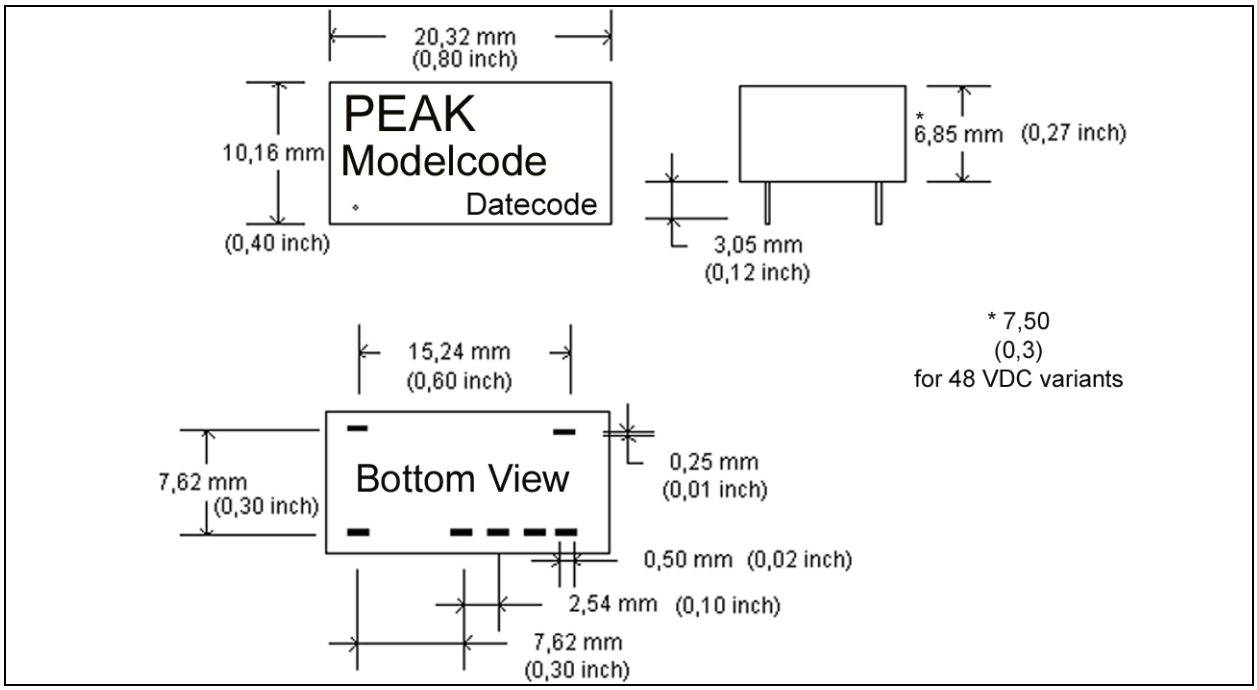
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

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)	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	125 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 0,77 inches
Weight	2 g
Case material	Non conductive black plastic

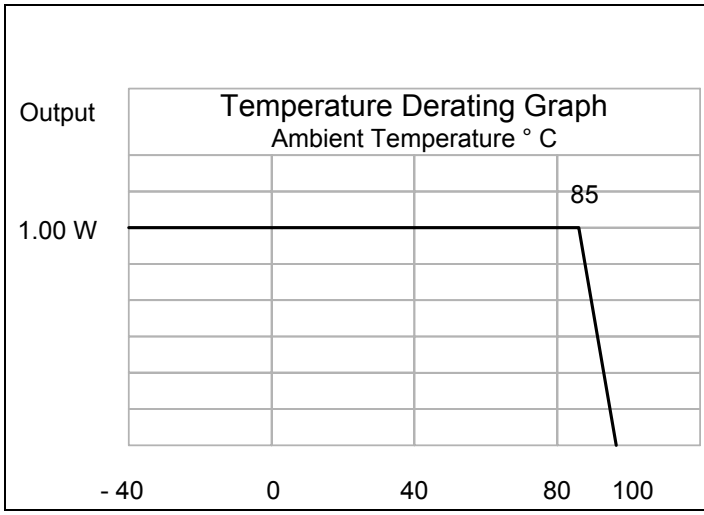
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6DUI-050505Z	5	16	277	5/5	100/100	72
P6DUI-050515Z	5	20	250	5/15	100/33	80
P6DUI-120505Z	12	11	119	5/5	100/100	70
P6DUI-120512Z	12	10	104	5/12	100/42	80
P6DUI-120515Z	12	13	106	5/15	100/33	78
P6DUI-240505Z	24	6	54	5/5	100/100	76

Dimensions



Derating Graph and Pinning



Pin	Connection		
#	Dual Sep.		
1	-	V	Input
7			NC
8	-	V2	Output
9	+	V2	Output
10	-	V1	Output
11	+	V1	Output
14	+	V	Input

Specification can be changed without notice. Copyright PEAK electronics GmbH