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

M5 SERIES P10SG-XXXXEH30 3 KV ISOLATED 2W REGULATED SINGLE OUTPUT DIP24

Available Inputs:
5, 12 and 24 VDC
Available Outputs:
3.6, 5, 7.2, 9, 12, 15 and 18 VDC
Other specifications please enquire.

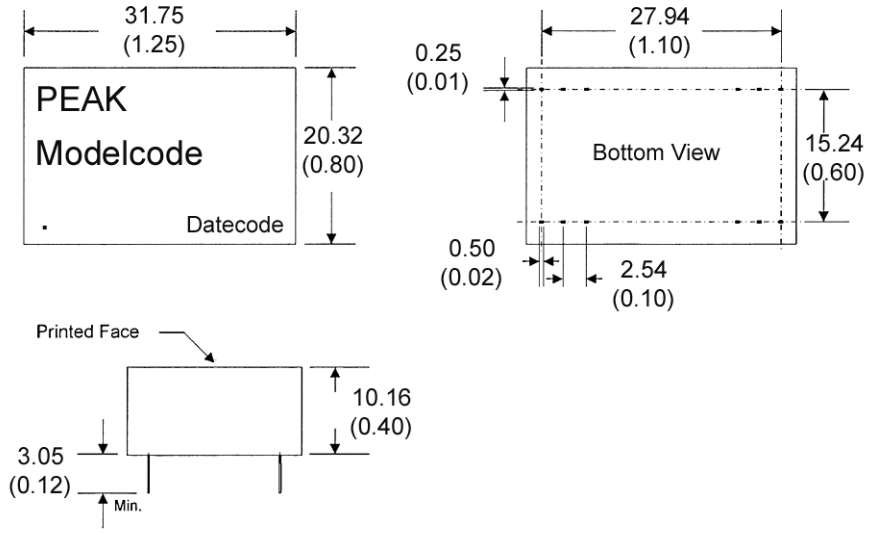
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications	
Voltage range	+/- 10 %
Filter	Pi Network
Isolation Specifications	
Rated voltage	3000 Vdc
Leakage current	1 mA
Resistance	10^9 Ohm
Capacitance	60 pF typ.
Output Specifications	
Voltage accuracy	+/- 2 %, max.
Ripple and noise (at 20 MHz BW)	75 mV p-p, max.
Short circuit protection	Continuous , restart automatic
Line voltage regulation	+/- 0,5 % max.
Load voltage regulation	+/- 0,5 % max.
Temperature coefficient	+/- 0,02 % / °C
General Specifications	
Efficiency	65 % 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	31,75 x 20,32 x 10,16 mm 1,25 x 0,80 x 0,40 inches
Weight	12,2 g
Case material	Non conductive black plastic

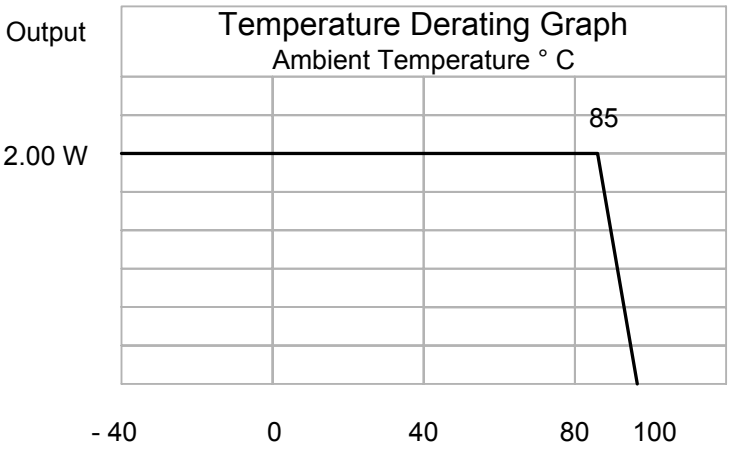
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC) Nominal	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10SG-0505EH30	5	50	615	5	400	65
P10SG-0509EH30	5	47	545	9	200	66
P10SG-1205EH30	12	40	252	5	400	66
P10SG-1209EH30	12	38	220	9	200	68
P10SG-1212EH30	12	35	245	12	167	68
P10SG-2405EH30	24	16	128	5	400	65

Dimensions



Derating Graph and Pinning



Pin	Connection		
#	Single		
1	+	V	Input
2	+	V	Input
3			Omitted
10			Omitted
11			Omitted
12	-	V	Output
13	+	V	Output
14			Omitted
15			Omitted
22			Omitted
23	-	V	Input
24	-	V	Input

Specification can be changed without notice. Copyright PEAK electronics GmbH