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

MP SERIES P10TG-XXXXZ4:1M 1.5 KV ISOLATED 2 W REGULATED DUAL OUTPUT DIP24

Available Inputs:
24 and 48 VDC Wide Input 4:1
Available Outputs:
(+/-) 3.3, 5, 12, 15 and 18 VDC
Other specifications please enquire.

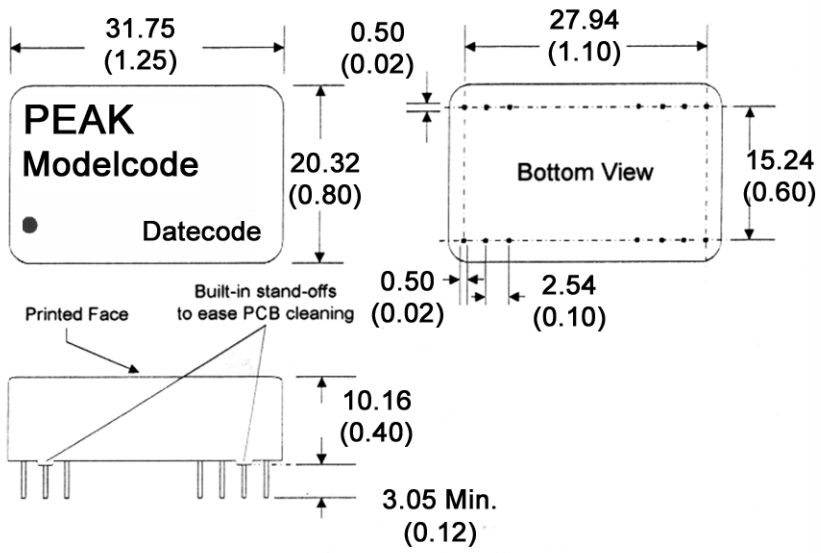
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications	
Voltage range	9 - 36 VDC (24 VDC), 18 - 72 VDC (48 VDC)
Filter	Pi Network
Isolation Specifications	
Rated voltage	1500 Vdc
Resistance	10^9 Ohm
Capacitance	80 pF typ.
Output Specifications	
Voltage accuracy	+/- 1 % typ. +/-2% max.
Ripple and noise (at 20 MHz BW)	60 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	70 % to 85 %
Switching frequency	250 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	21 g
Case material	Non conductive black plastic

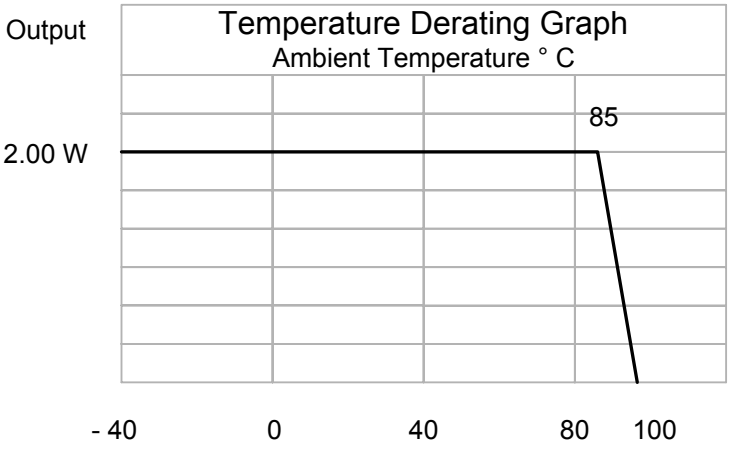
Examples of Partnumbers/Modelcode

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.)
P10TG-2405Z4:1M	9-36	6.7	113	+/- 5	+/- 200	74
P10TG-2412Z4:1M	9-36	6.7	119	+/- 12	+/- 83	78
P10TG-4805Z4:1M	18-72	6.4	55	+/- 5	+/- 200	76
P10TG-4812Z4:1M	18-72	6.4	54	+/- 12	+/- 83	77
P10TG-4815Z4:1M	18-72	6.4	53	+/- 15	+/- 67	79

Dimensions



Derating Graph and Pinning



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

Specification can be changed without notice. Copyright PEAK electronics GmbH