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Available Inputs:
12, 24 and 48 VDC Wide Input 2:1
Available Outputs:
3.3, 5, 12, 15 and 18 VDC
Other specifications please enquire.

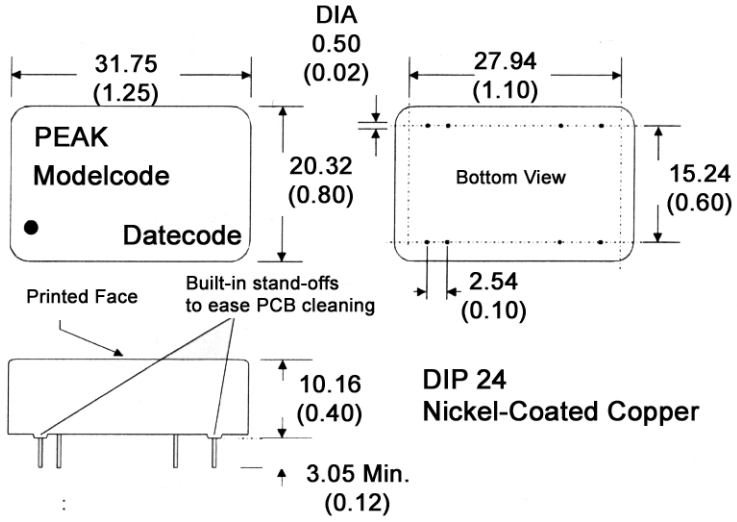
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications	
Voltage range	9 -18 VDC (12 VDC), 18 - 36 VDC (24 VDC), 36 - 72 VDC (48 VDC)
Filter	Pi Network
Isolation Specifications	
Rated voltage	3500 Vdc
Leakage current	1 mA
Resistance	10^9 Ohm
Capacitance	120 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	19,0 g
Case material	Nickel Coated Copper

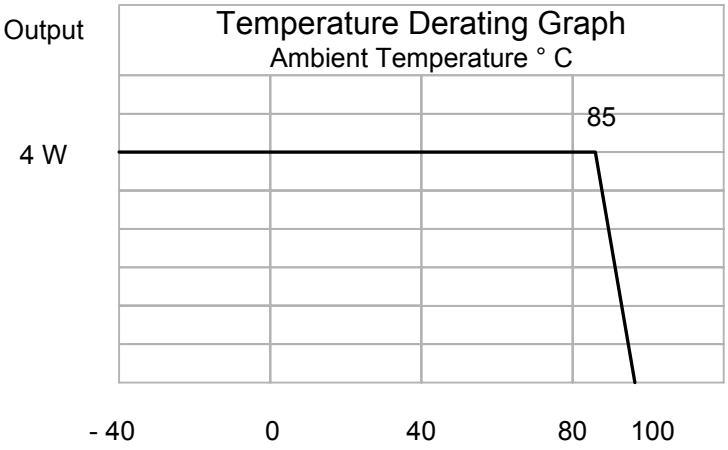
Examples of Partnumbers/Modelcode

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.)
P18TG-123R3E2:1H35M	9-18	24	367	3,3	1000	75
P18TG-1205E2:1H35M	9-18	24	456	5	800	73
P18TG-1212E2:1H35M	9-18	24	428	12	333	78
P18TG-2405E2:1H35M	18-36	20	222	5	800	75
P18TG-2412E2:1H35M	18-36	20	214	12	333	78
P18TG-2415E2:1H35M	18-36	20	206	15	267	81
P18TG-4805E2:1H35M	36-72	18	111	5	800	75

Dimensions



Derating Graph and Pinning



Pin	Connection		
#	Single		
2	-	V	Input
3	-	V	Input
9			NC
11			NC
14	+	V	Output
16	-	V	Output
22	+	V	Input
23	+	V	Input

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