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MD SERIES PEN5-XXXXZ2:1 1.5 KV ISOLATED 5 - 6 W REGULATED DUAL OUTPUT DIP24

Other specifications please enquire.

Electrical Specifications

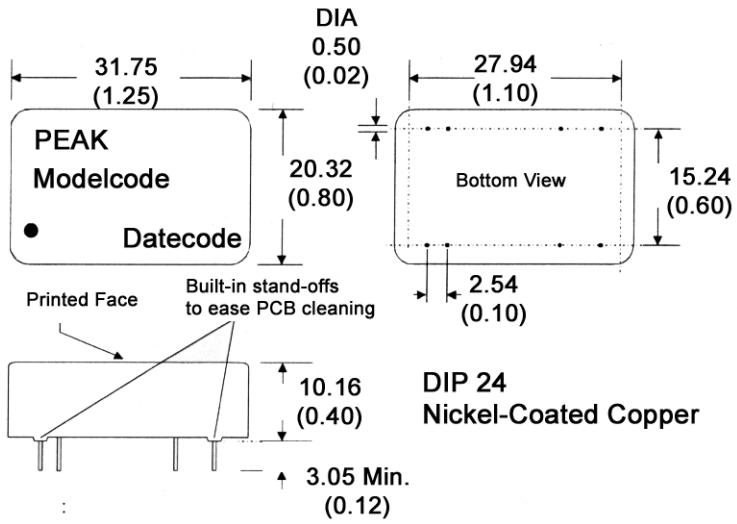
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications	
Voltage range	9-18, 18-36, 36-72 VDC Wide Input
Filter	Pi Network
Isolation Specifications	
Rated voltage	1500 Vdc
Resistance	10^9 Ohm
Capacitance	390 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	77 % to 80 %
Switching frequency	260 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

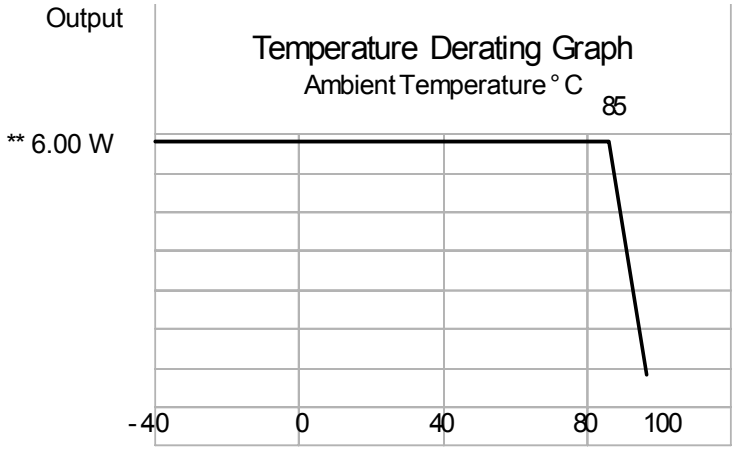
Examples of Partnumbers/Modelcode

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.)
PEN5-1205Z2:1	9 - 18	20	542	+/- 5	+/- 500	77
PEN5-1212Z2:1	9 - 18	20	625	+/- 12	+/- 250	80
PEN5-1215Z2:1	9 - 18	20	625	+/- 15	+/- 200	80
PEN5-2405Z2:1	18 - 36	12	267	+/- 5	+/- 500	78
PEN5-2412Z2:1	18 - 36	12	313	+/- 12	+/- 250	80
PEN5-2415Z2:1	18 - 36	12	313	+/- 15	+/- 200	80
PEN5-4805Z2:1	36 - 72	6	134	+/- 5	+/- 500	78
PEN5-4812Z2:1	36 - 72	6	157	+/- 12	+/- 250	80
PEN5-4815Z2:1	36 - 72	6	157	+/- 15	+/- 200	80

Dimensions



Derating Graph and Pinning



** Max. output power depends on the model and is in the range between 5 and 6 W

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