

MD SERIES PEN4-XXXXE4:1 1.5 KV ISOLATED 3 - 4 W REGULATED SINGLE 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 - 36 VDC (24 VDC), 18 – 72 VDC (48 VDC)

Filter

Pi Network

Isolation Specifications

Rated voltage

1500 Vdc

Resistance

10⁹ Ohm

Capacitance

390 pF typ.

Output Specifications

Voltage accuracy

+/- 1 % typ. +/-2% max.

Ripple and noise (at 20 MHz BW)

60 mV p-p

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

75 % to 80 %

Switching frequency

260 KHz.

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

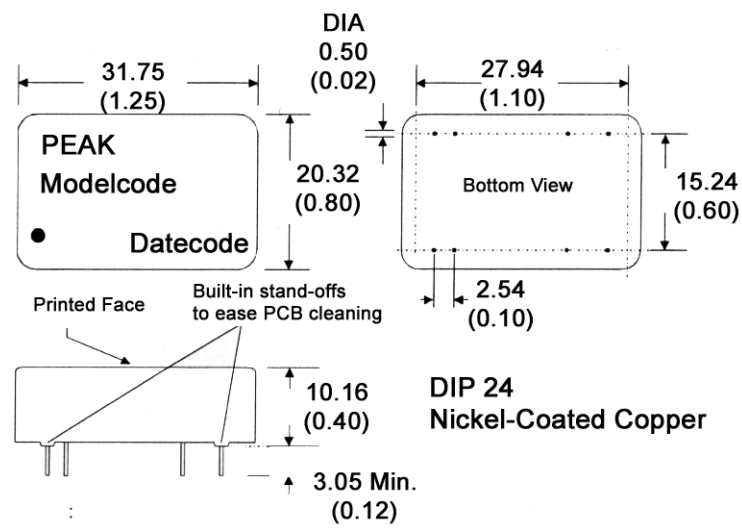
Case material

Nickel Coated Copper

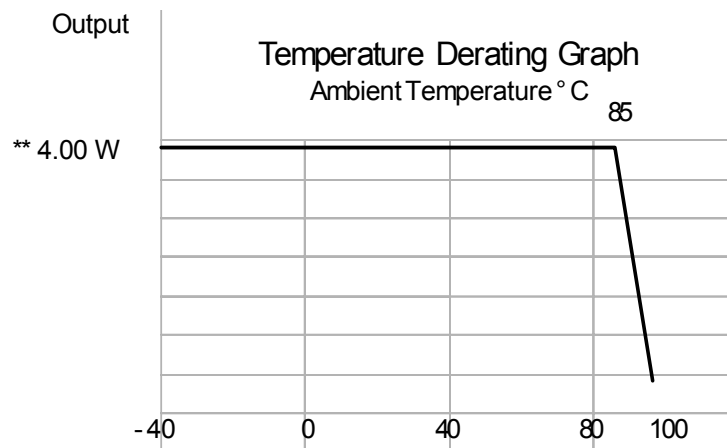
Examples of Partnumbers/Modelcode

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.)
PEN4-243R3E4:1	9 - 36	16	165	3.3	900	75
PEN4-2405E4:1	9 - 36	16	174	5	660	79
PEN4-2412E4:1	9 - 36	18	207	12	330	80
PEN4-2415E4:1	9 - 36	18	207	15	266	80
PEN4-483R3E4:1	18 - 72	10	88	3.3	900	75
PEN4-4805E4:1	18 - 72	10	88	5	660	78
PEN4-4812E4:1	18 - 72	12	88	12	330	80
PEN4-4815E4:1	18 - 72	12	139	15	266	80

Dimensions



Derating Graph and Pinning



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

** Max. output power depends on the model and is in the range between 3 and 4 W