

**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  $10^9$  Ohm

Capacitance 390 pF typ.

**Output Specifications**

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

Ripple and noise (at 20 MHz BW) 60 mV p-p

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

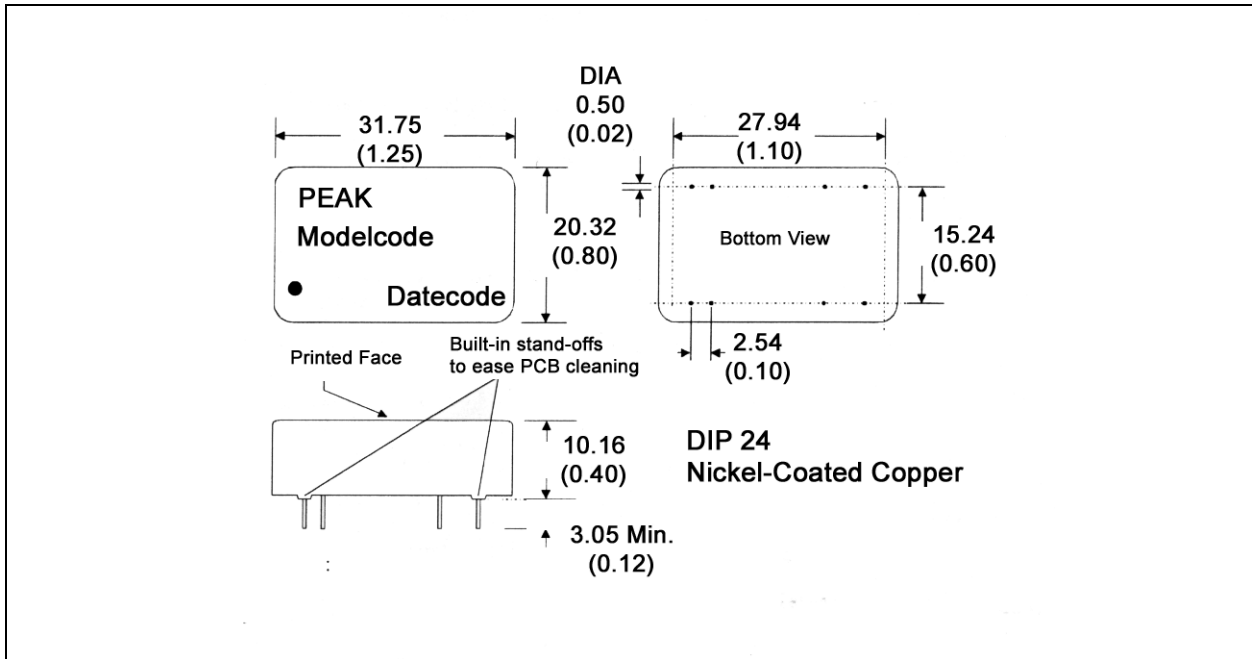
Weight 19,0 g

Case material Nickel Coated Copper

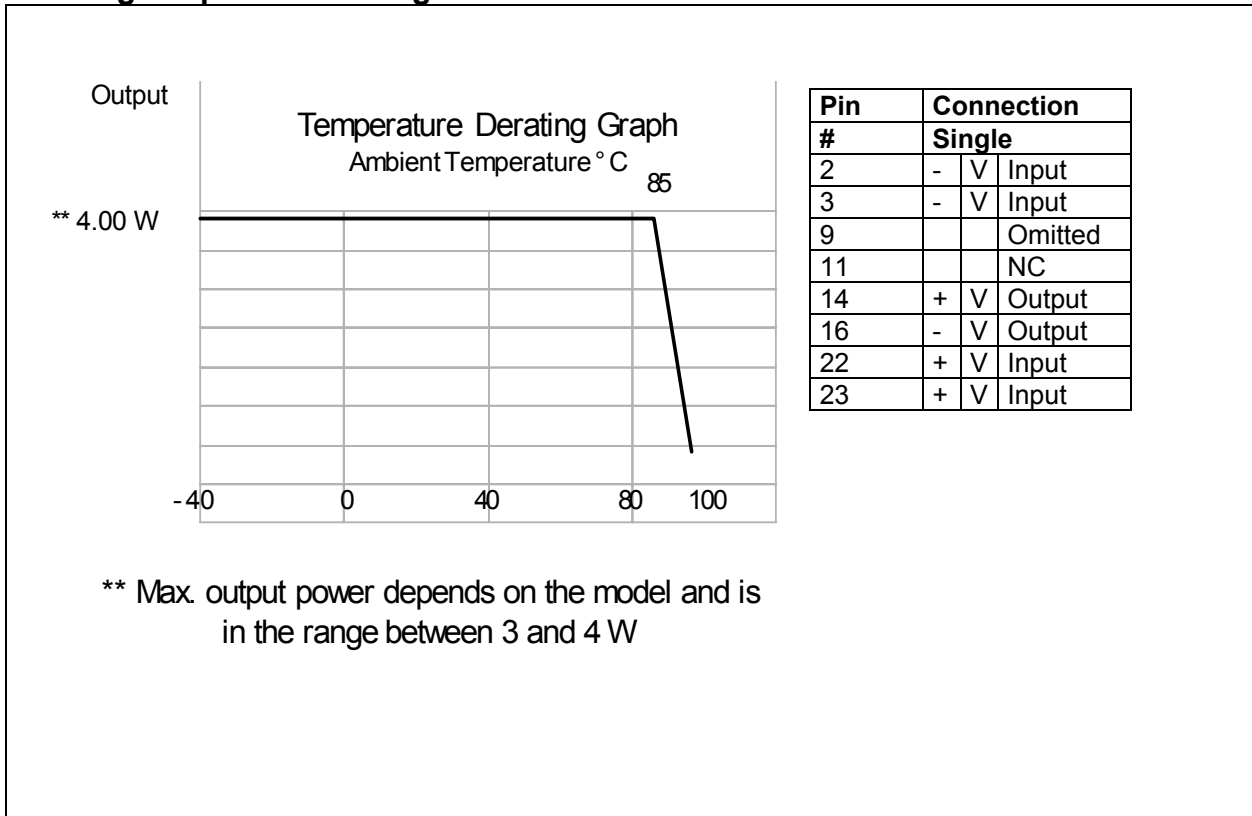
**Examples of Partnumbers/Modelcode**

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**



Specification can be changed without notice.

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