

**MD SERIES    PEN5-XXXXE2:1 1.5 KV ISOLATED 4 - 6 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 9-18, 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 74 % 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

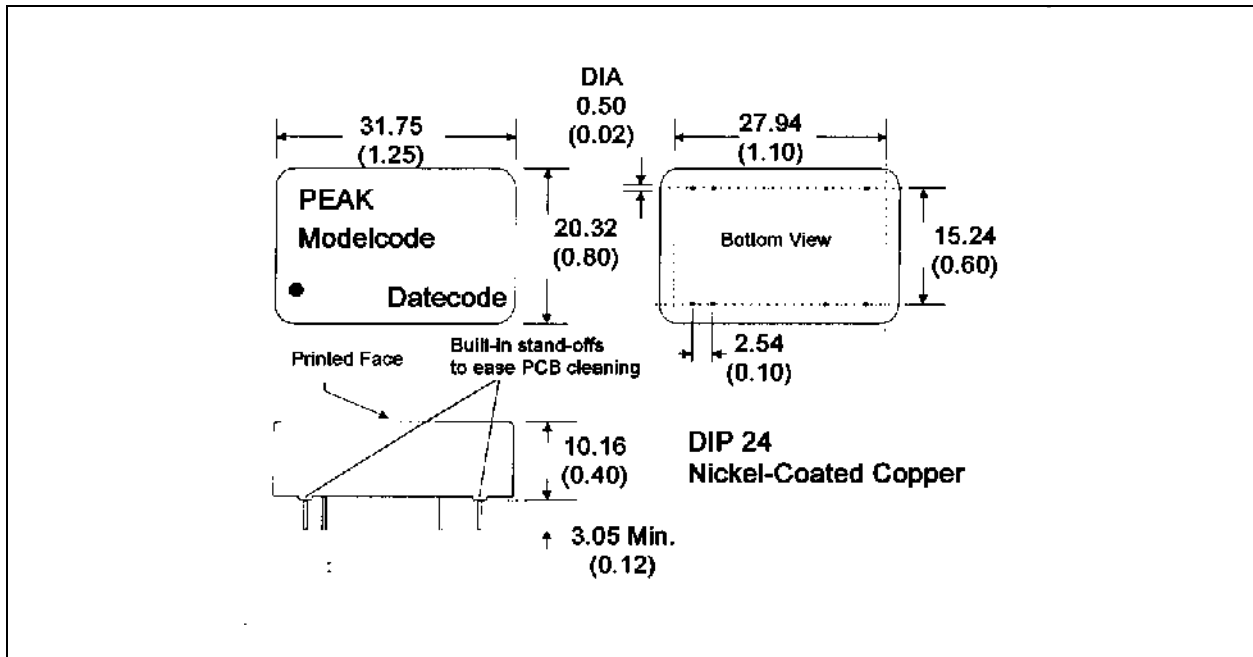
Weight 19,0 g

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.)
PEN5-123R3E2:1	9 - 18	15	446	3.3	1200	74
PEN5-1205E2:1	9 - 18	15	542	5	1000	77
PEN5-1212E2:1	9 - 18	20	625	12	500	80
PEN5-1215E2:1	9 - 18	20	625	15	400	80
PEN5-243R3E2:1	18 - 36	8	220	3.3	1200	75
PEN5-2405E2:1	18 - 36	8	261	5	1000	80
PEN5-2412E2:1	18 - 36	8	313	12	500	80
PEN5-2415E2:1	18 - 36	8	313	15	400	80
PEN5-483R3E2:1	36 - 72	5	110	3.3	1200	75
PEN5-4805E2:1	36 - 72	5	131	5	1000	80
PEN5-4812E2:1	36 - 72	5	157	12	500	80
PEN5-4815E2:1	36 - 72	5	157	15	400	80

**Dimensions**



**Derating Graph and Pinning**

