

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

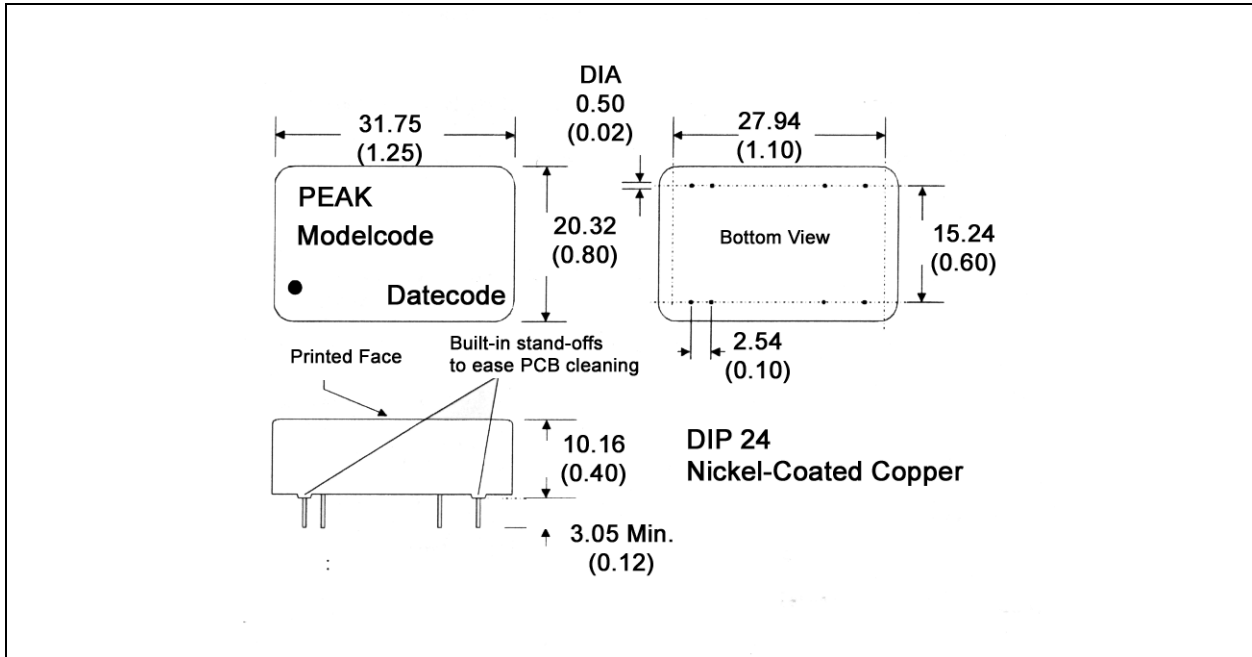
Weight 19,0 g

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

