

MD SERIES PEN6-XXXXZ4:1 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 - 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) 75 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 80 % typ.

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

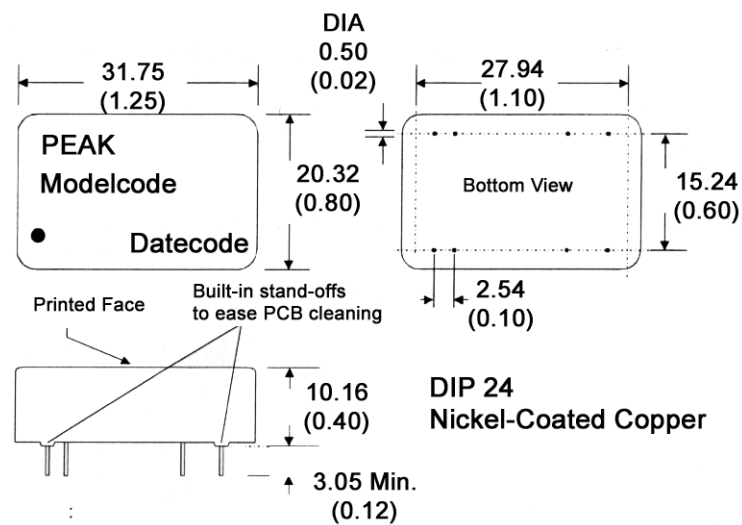
Weight 19,0 g

Case material Nickel Coated Copper

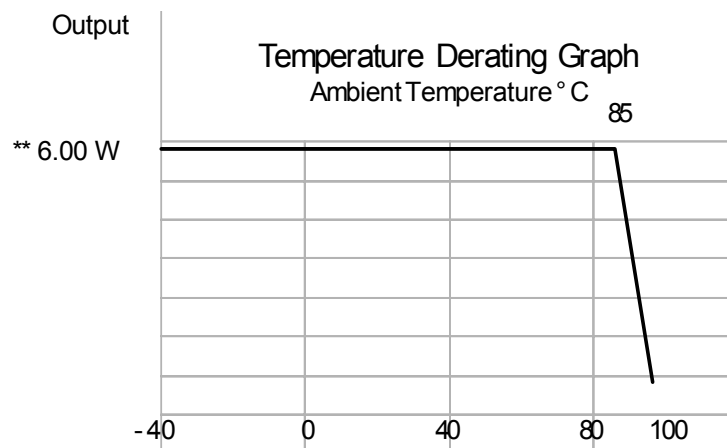
Examples of Partnumbers/Modelcode

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.)
PEN6-2405Z4:1	9 - 36	15	260	+/- 5	+/- 500	80
PEN6-2412Z4:1	9 - 36	15	309	+/- 12	+/- 250	81
PEN6-2415Z4:1	9 - 36	20	309	+/- 15	+/- 200	81
PEN6-4805Z4:1	18 - 72	15	131	+/- 5	+/- 500	80
PEN6-4812Z4:1	18 - 72	15	155	+/- 12	+/- 250	81
PEN6-4815Z4:1	18 - 72	15	155	+/- 15	+/- 200	81

Dimensions



Derating Graph and Pinning



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

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