

MD SERIES

PEN5-XXXXZ2:1 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 9-18, 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 77 % 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

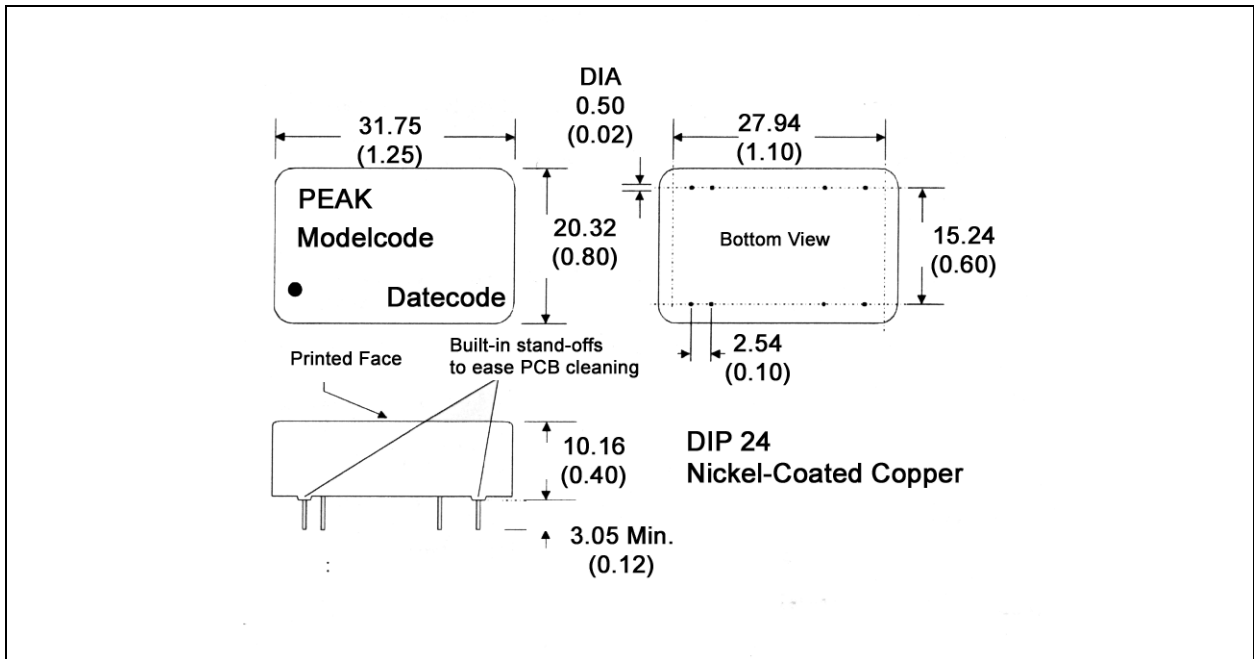
Physical Characteristics

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

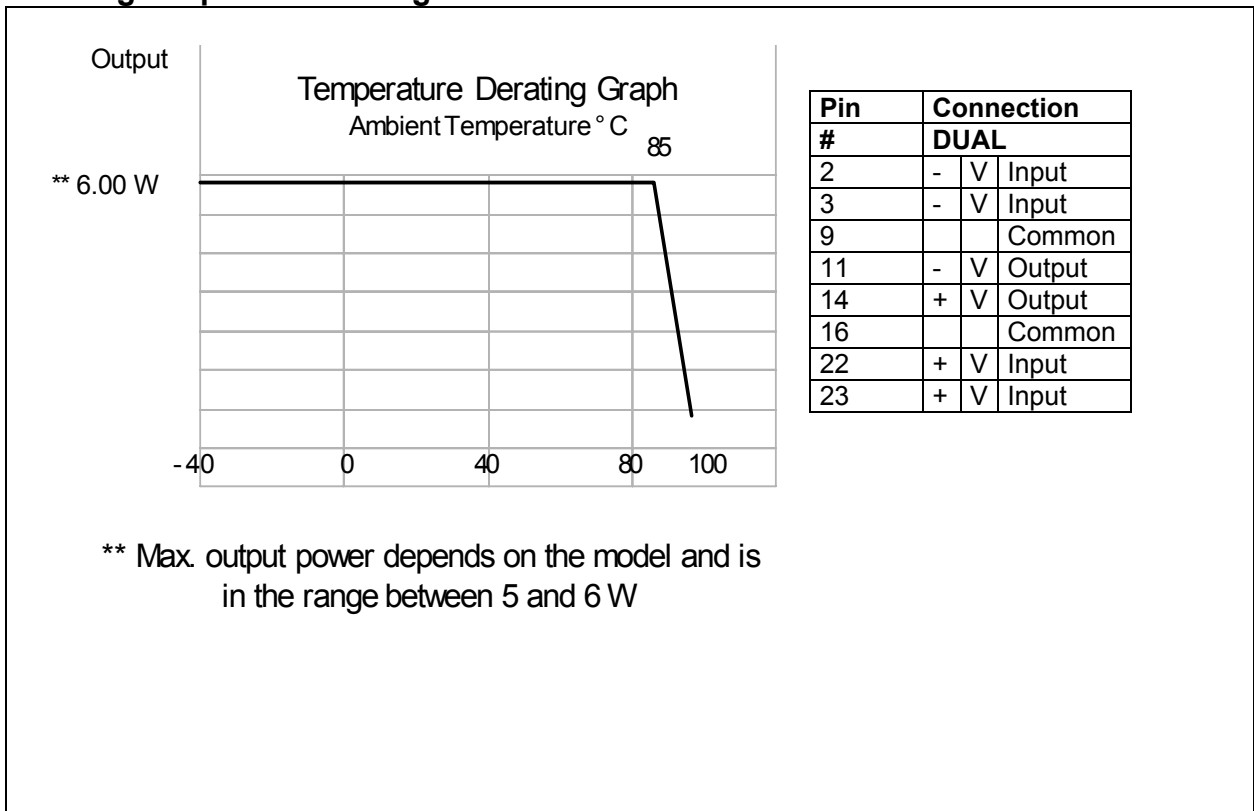
Examples of Partnumbers/Modelcode

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.)
PEN5-1205Z2:1	9 - 18	20	542	+/- 5	+/- 500	77
PEN5-1212Z2:1	9 - 18	20	625	+/- 12	+/- 250	80
PEN5-1215Z2:1	9 - 18	20	625	+/- 15	+/- 200	80
PEN5-2405Z2:1	18 - 36	12	267	+/- 5	+/- 500	78
PEN5-2412Z2:1	18 - 36	12	313	+/- 12	+/- 250	80
PEN5-2415Z2:1	18 - 36	12	313	+/- 15	+/- 200	80
PEN5-4805Z2:1	36 - 72	6	134	+/- 5	+/- 500	78
PEN5-4812Z2:1	36 - 72	6	157	+/- 12	+/- 250	80
PEN5-4815Z2:1	36 - 72	6	157	+/- 15	+/- 200	80

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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