

MP SERIES P10TG-XXXXZ4:1H35M 3.5 KV ISOLATED 2 W REGULATED DUAL OUTPUT DIP24
Available Inputs:
24 and 48 VDC Wide Input 4:1
Available Outputs:
(+/-) 3.3, 5, 12, 15 and 18 VDC

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 3500 Vdc

 Resistance 10^9 Ohm

Capacitance 80 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 70 % to 85 %

Switching frequency 250 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

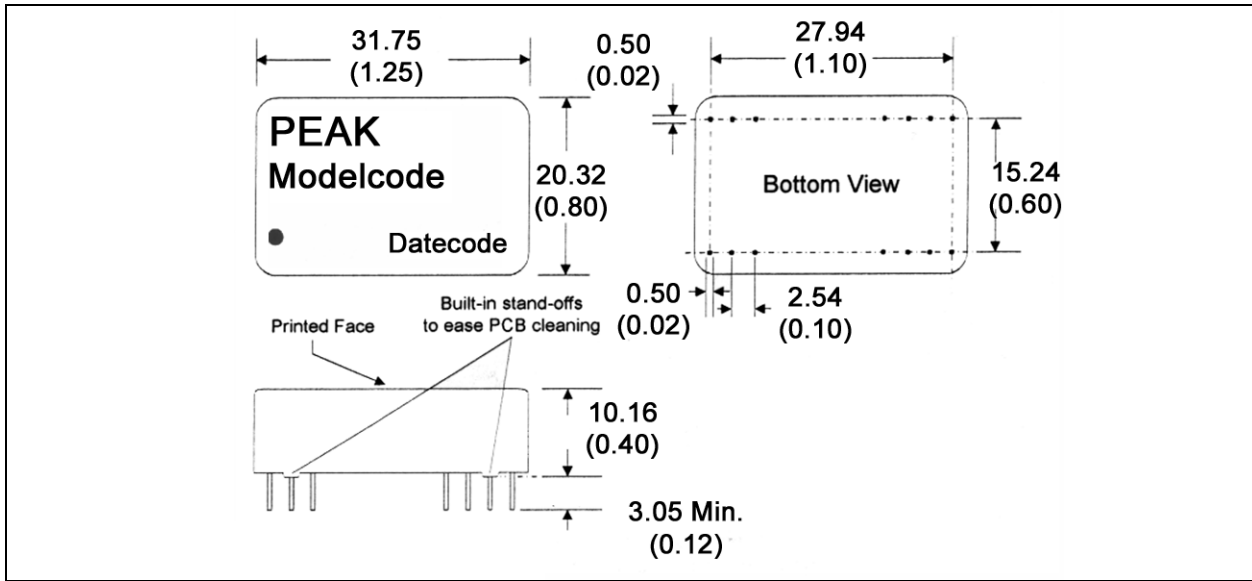
Weight 21 g

Case material Nickel Coated Copper

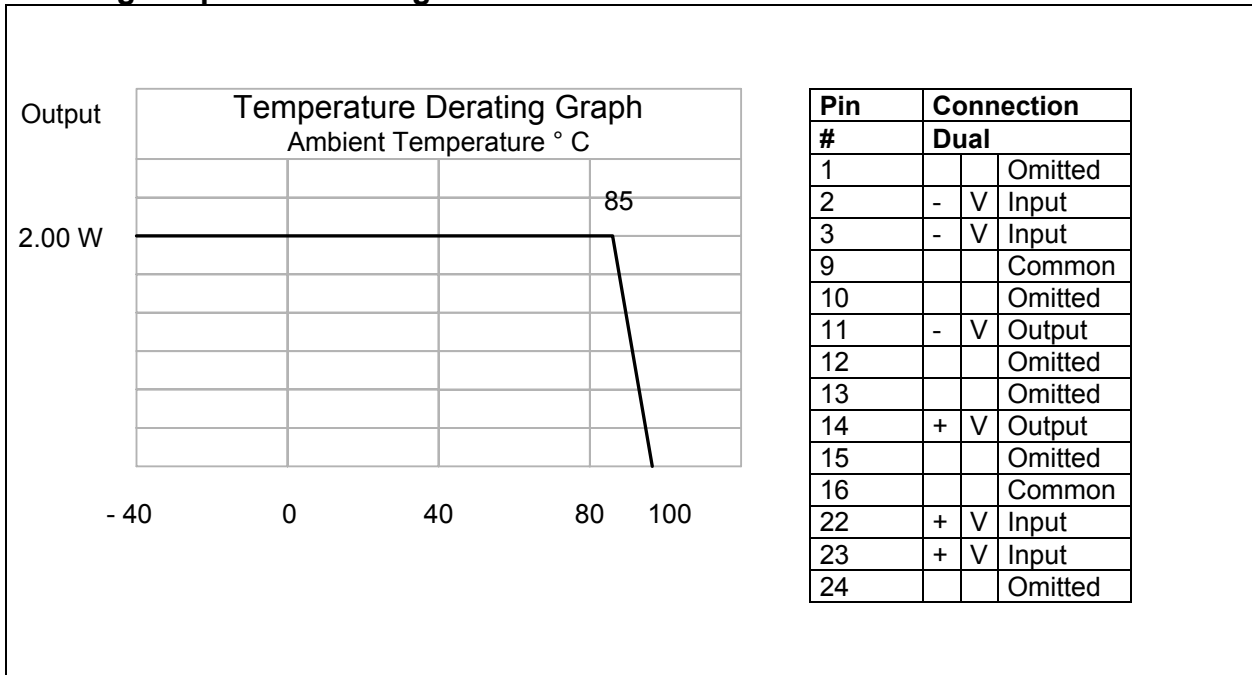
Examples of Partnumbers/Modelcode

| 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.) |
|--------------------|-----------------------------|-----------------------|-------------------------|----------------------|--------------------------|-------------------------------|
| P10TG-2405Z4:1H35M | 9-36 | 6.7 | 113 | +/- 5 | +/- 200 | 74 |
| P10TG-2412Z4:1H35M | 9-36 | 6.7 | 119 | +/- 12 | +/- 83 | 78 |
| P10TG-4805Z4:1H35M | 18-72 | 6.4 | 55 | +/- 5 | +/- 200 | 76 |
| P10TG-4812Z4:1H35M | 18-72 | 6.4 | 54 | +/- 12 | +/- 83 | 77 |
| P10TG-4815Z4:1H35M | 18-72 | 6.4 | 53 | +/- 15 | +/- 67 | 79 |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH