

**MD SERIES P22TG-XXXXE2:1H35M 3.5 KV ISOLATED 5 W REGULATED SINGLE OUTPUT DIP24**

**Available Inputs:**

**12, 24 and 48 VDC Wide Input 2:1**

**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 -18 VDC (12 VDC), 18 - 36 VDC (24 VDC), 36 - 72 VDC (48 VDC)

Filter Pi Network

**Isolation Specifications**

Rated voltage 3500 Vdc

Leakage current 1 mA

Resistance 10<sup>9</sup> Ohm

Capacitance 120 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

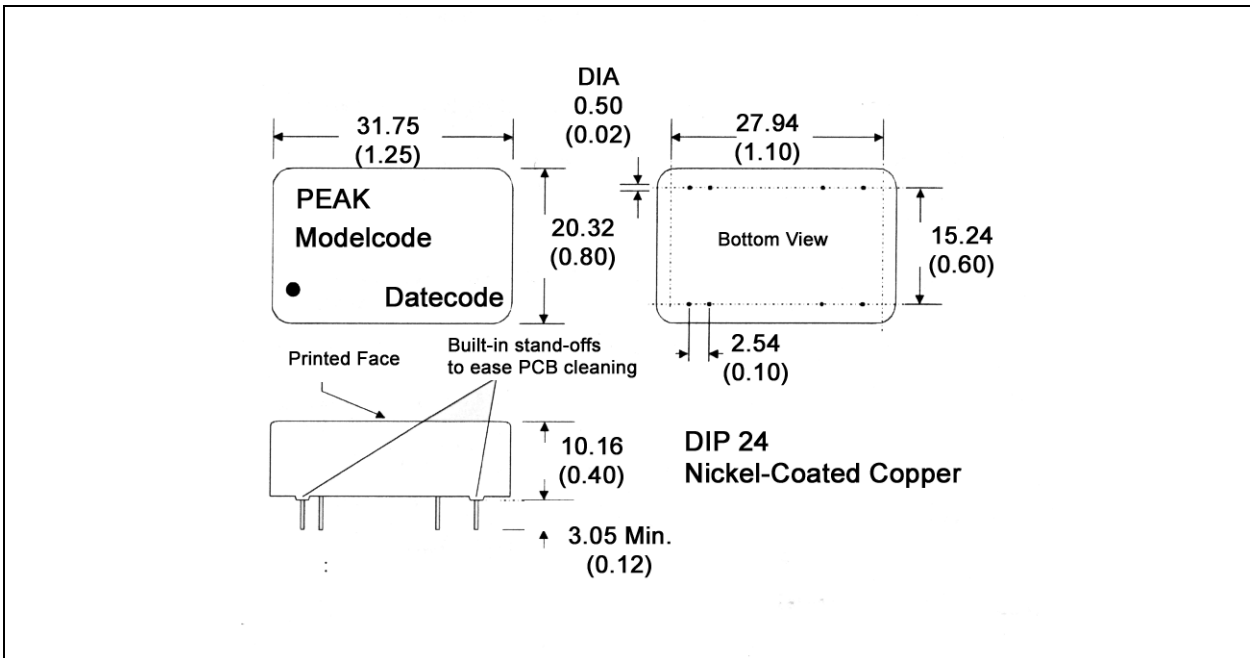
Weight 19,0 g

Case material Nickel Coated Copper

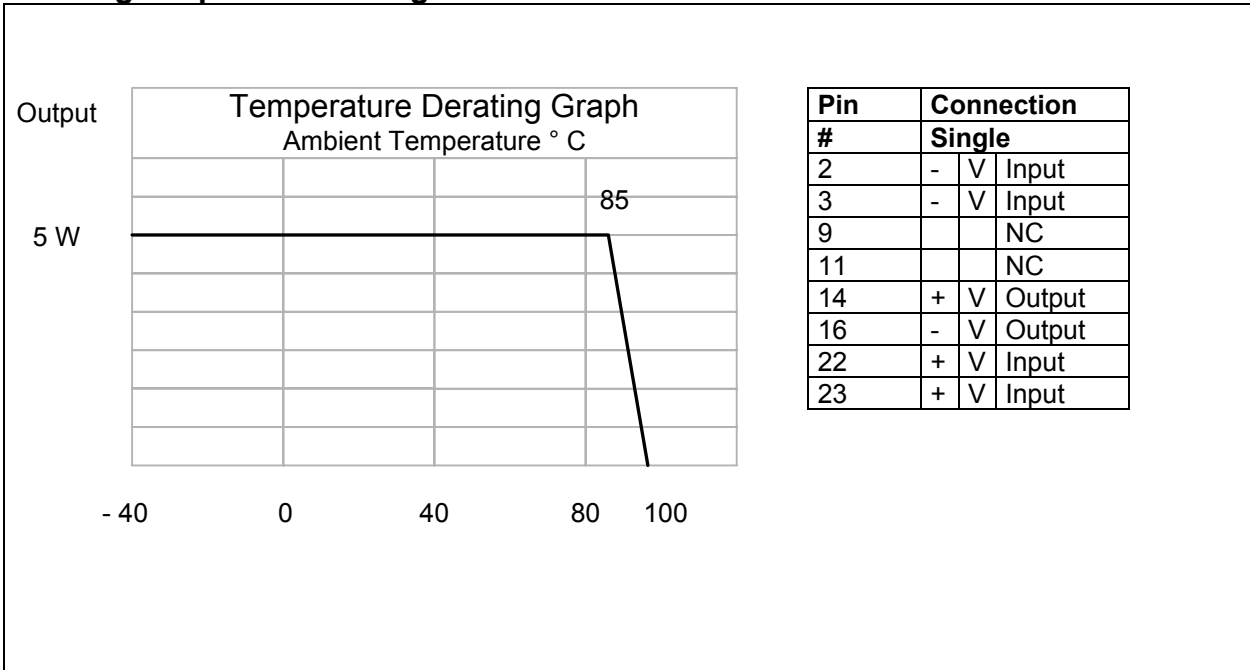
**Examples of Partnumbers/Modelcode**

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.)
P22TG-1205E2:1H35M	9-18	27	563	5	1000	74
P22TG-1215E2:1H35M	9-18	27	520	15	333	80
P22TG-2405E2:1H35M	18-36	25	282	5	1000	74
P22TG-2412E2:1H35M	18-36	25	264	12	417	79
P22TG-2415E2:1H35M	18-36	25	250	15	333	80
P22TG-4805E2:1H35M	36-72	24	139	5	1000	75
P22TG-4812E2:1H35M	36-72	24	132	12	417	79

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

Copyright PEAK electronics GmbH