

**MD SERIES**
**P18TG-XXXXZ2:1 1.5 KV ISOLATED 4 W REGULATED DUAL 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 1500 Vdc

Leakage current 1 mA

 Resistance  $10^9$  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

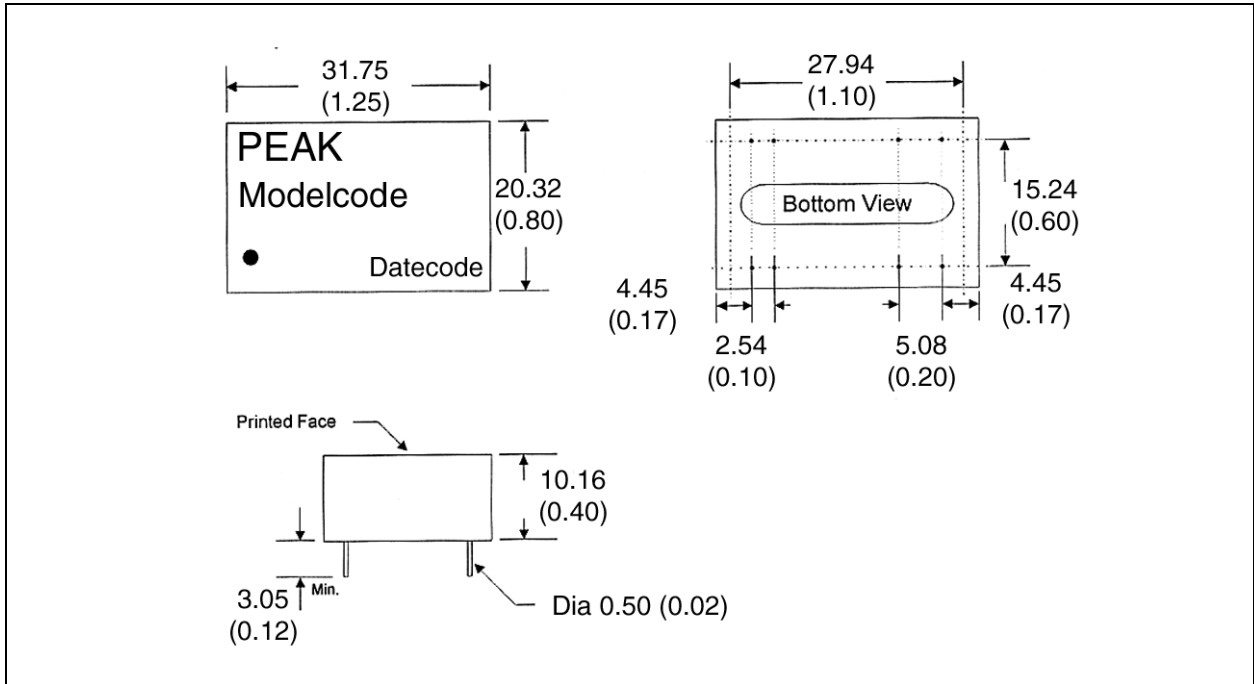
Weight 17,0 g

Case material Non conductive black plastic

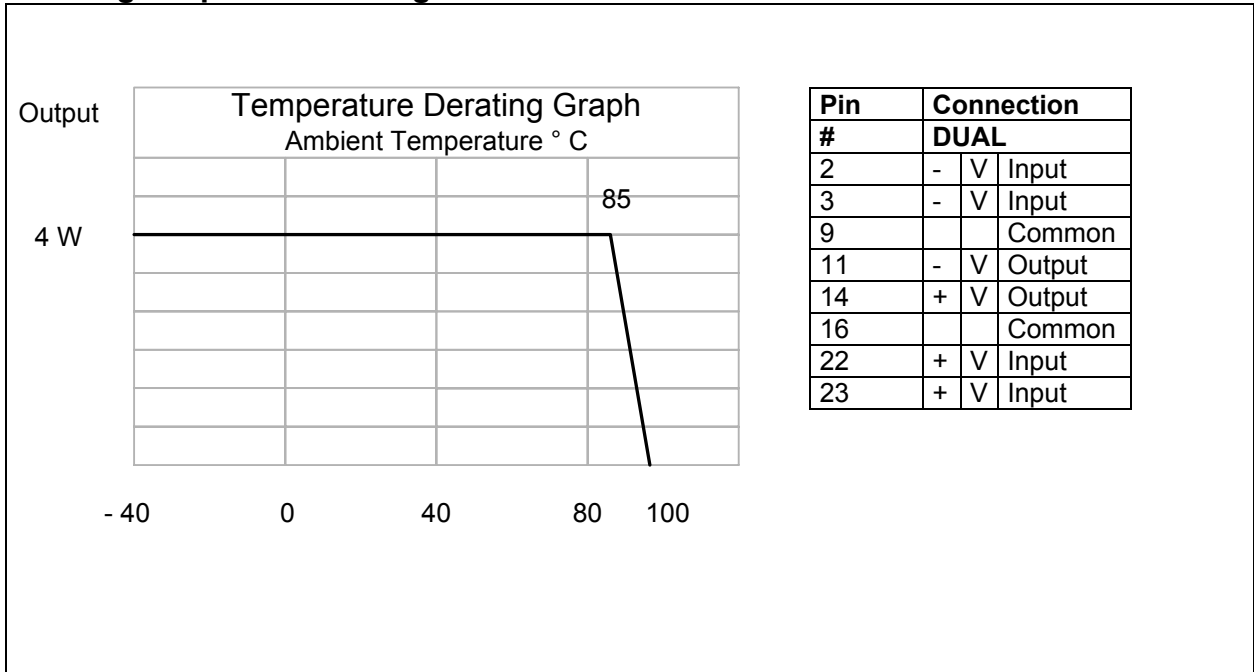
**Examples of Partnumbers/Modelcode**

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.)
P18TG-123R3Z2:1	9-18	27	371	+/- 3.3	+/- 500	74
P18TG-1205Z2:1	9-18	27	450	+/- 5	+/- 400	74
P18TG-2405Z2:1	18-36	26	222	+/- 5	+/- 400	75
P18TG-2412Z2:1	18-36	26	211	+/- 12	+/- 167	79
P18TG-2415Z2:1	18-36	26	211	+/- 15	+/- 133	79
P18TG-4805Z2:1	36-72	22	113	+/- 5	+/- 400	74
P18TG-4815Z2:1	36-72	22	105	+/- 15	+/- 133	79

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

Copyright PEAK electronics GmbH