

**M6 SERIES P14TG-XXXXZ2:1H35M 3.5 KV ISOLATED 3 W REGULATED DUAL OUTPUT DIP24**

**Available Inputs:**

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

**Available Outputs:**

**(+/-)3.3, 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  $10^9$  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

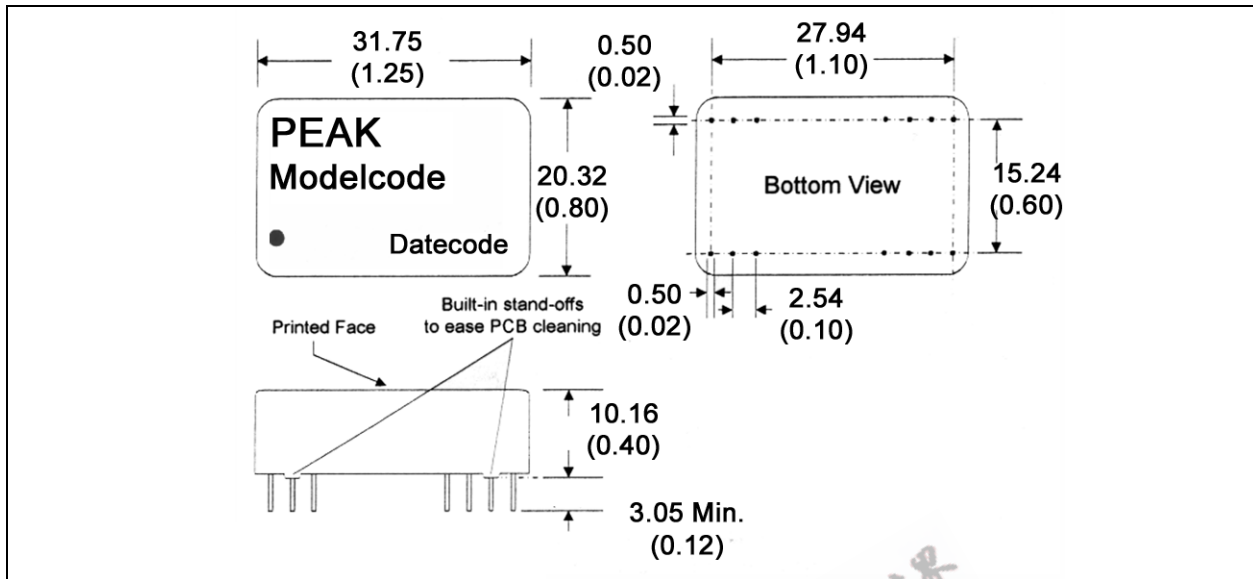
Weight 16.3 g

Case material Nickel Coated Copper

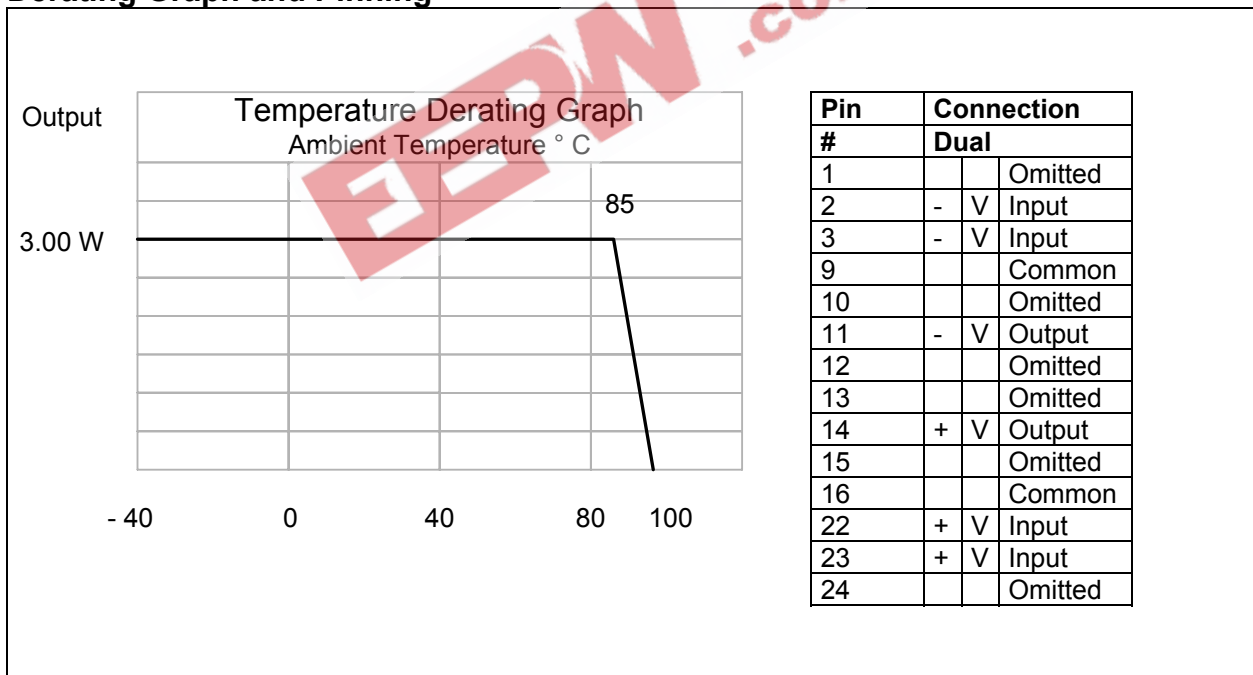
**Examples of Partnumbers/Modelcode**

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.)
P14TG-1205Z2:1H35M	9-18	16	338	+/- 5	+/- 300	74
P14TG-1212Z2:1H35M	9-18	16	325	+/- 12	+/- 125	77
P14TG-2405Z2:1H35M	18-36	16	164	+/- 5	+/- 300	76
P14TG-2412Z2:1H35M	18-36	16	158	+/- 12	+/- 125	79
P14TG-4805Z2:1H35M	36-72	15	83	+/-5	+/- 300	75
P14TG-4812Z2:1H35M	36-72	15	79	+/- 12	+/- 125	79
P14TG-4815Z2:1H35M	36-72	15	79	+/- 15	+/- 100	79

**Dimensions**



**Derating Graph and Pinning**



Pin #	Connection	Dual
1		Omitted
2	- V	Input
3	- V	Input
9		Common
10		Omitted
11	- V	Output
12		Omitted
13		Omitted
14	+ V	Output
15		Omitted
16		Common
22	+ V	Input
23	+ V	Input
24		Omitted

Specification can be changed without notice.

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