

M6 SERIES P14TG-XXXXE2:1M 1.5 KV ISOLATED 3 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 1500 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

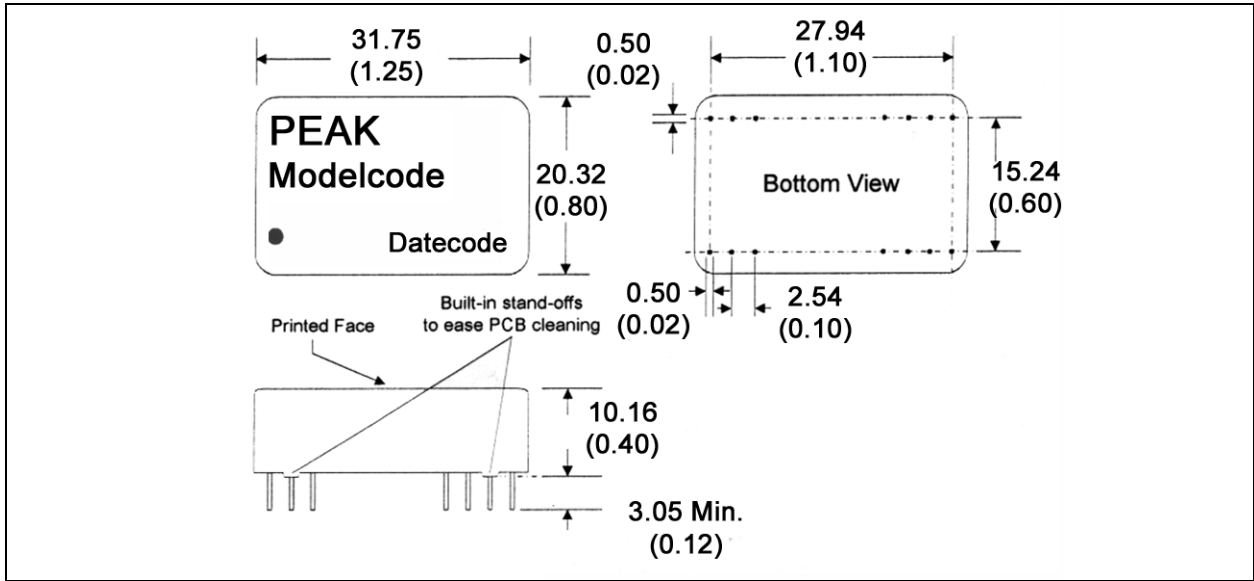
Weight 16,3 g

Case material Nickel Coated Copper

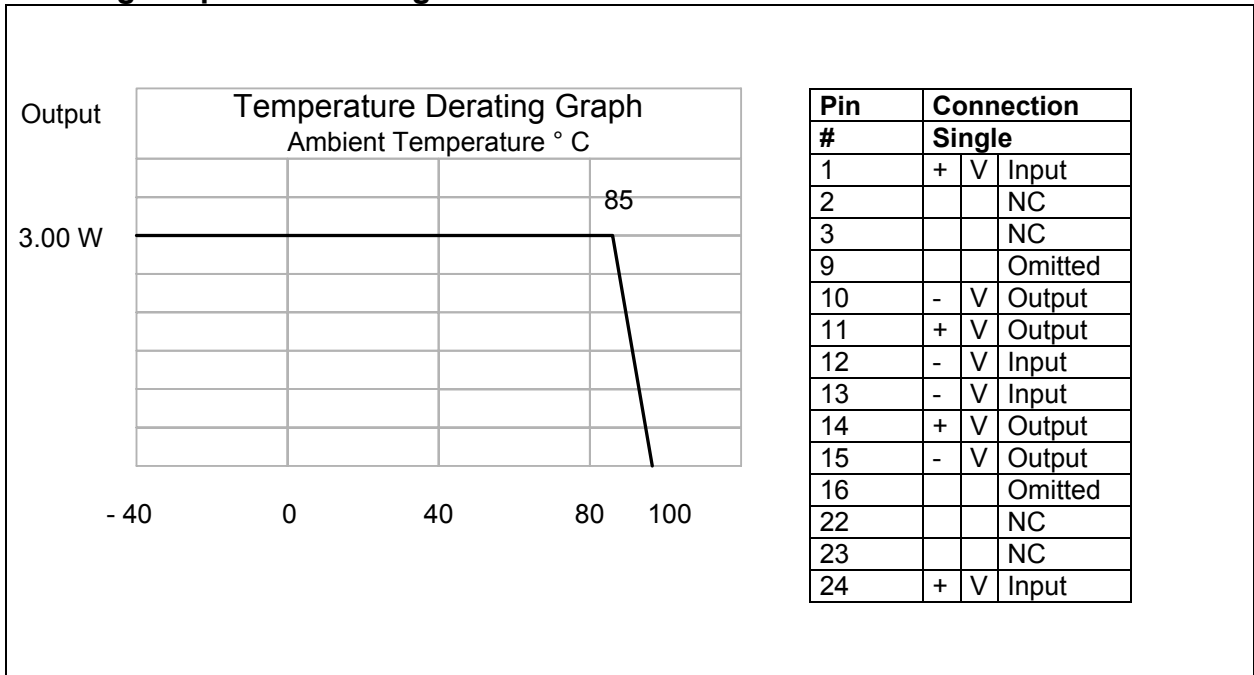
Examples of Partnumbers/Modelcode

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-1205E2:1M	9-18	14	338	5	600	74
P14TG-1212E2:1M	9-18	14	320	12	250	78
P14TG-2405E2:1M	18-36	14	166	5	600	75
P14TG-2412E2:1M	18-36	14	160	12	250	78
P14TG-2415E2:1M	18-36	14	158	15	200	79
P14TG-4805E2:1M	36-72	12	83	5	600	75
P14TG-4812E2:1M	36-72	12	79	12	250	79

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH