

MP SERIES P14TG-XXXXE4:1M 1.5 KV ISOLATED 3 W REGULATED SINGLE 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 1500 Vdc
Leakage current 1 mA
Resistance 10⁹ 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

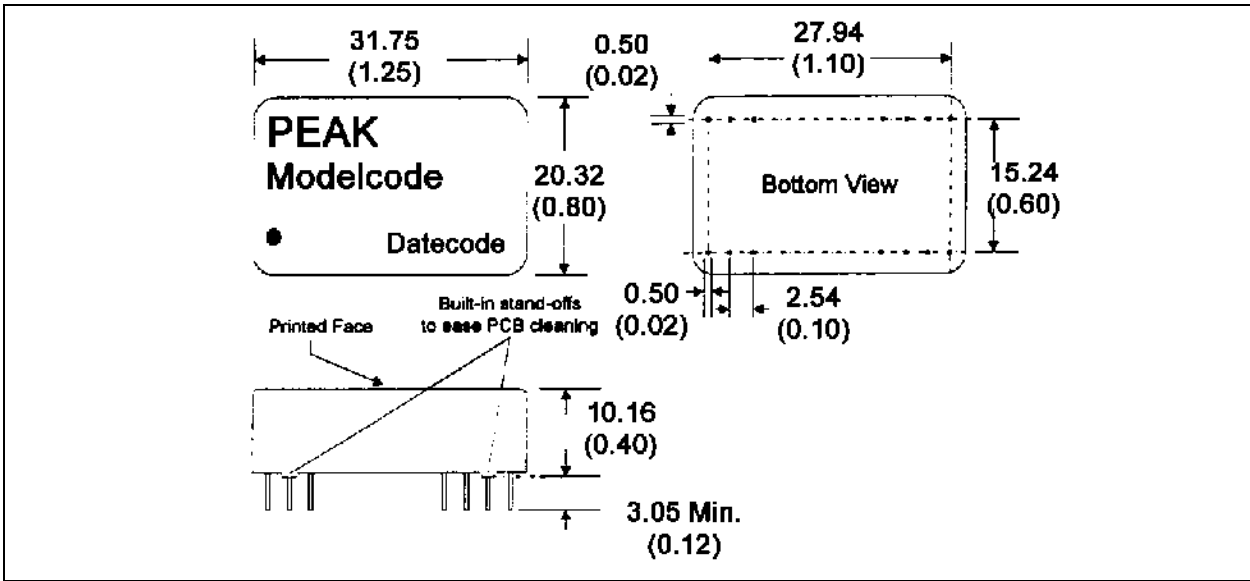
Physical Characteristics

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

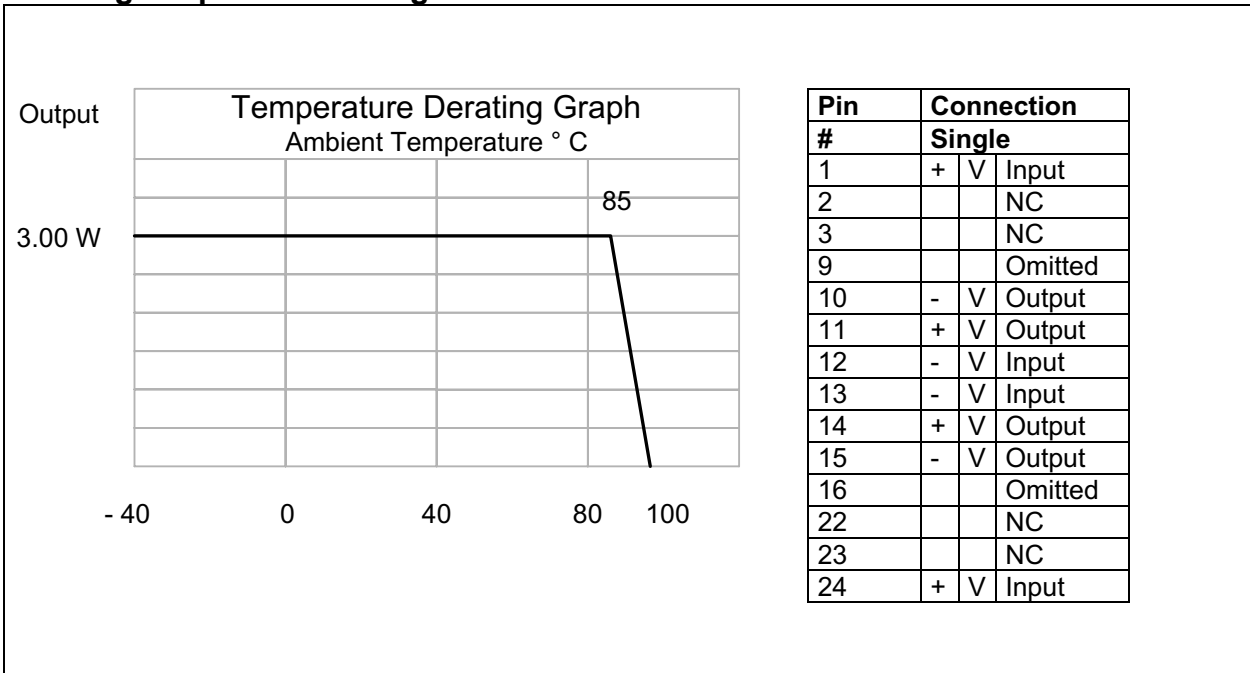
Examples of Partnumbers/Modelcode

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.)
P14TG-2405E4:1M	9-36	5	164	5	600	76
P14TG-2412E4:1M	9-36	5	158	12	250	79
P14TG-4805E4:1M	18-72	4.7	83	5	600	75
P14TG-4812E4:1M	18-72	4.7	80	12	250	78
P14TG-4815E4:1M	18-72	4.7	79	15	200	79

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH