

M6 SERIES
P14TG-XXXXZ2:1 1.5 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 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

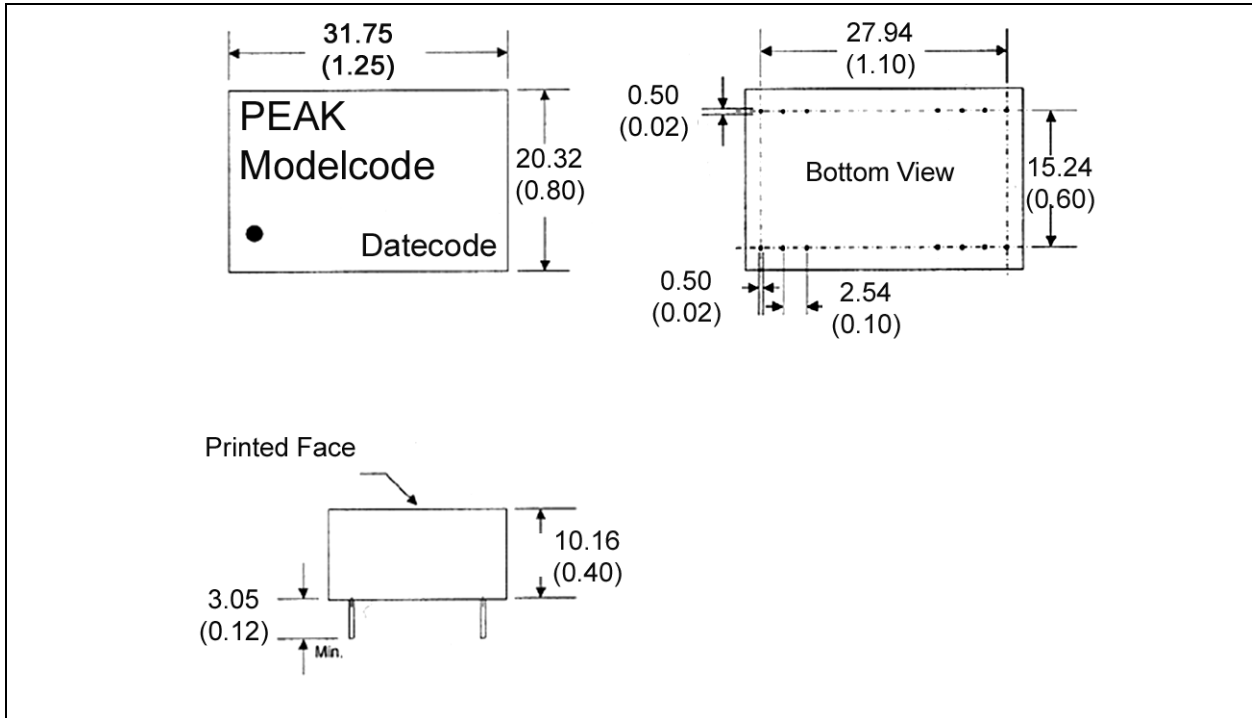
Weight 14,5 g

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

Dimensions



Derating Graph and Pinning

