

MQ SERIES P22TG-XXXXE4:1 1.5 KV ISOLATED 5 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

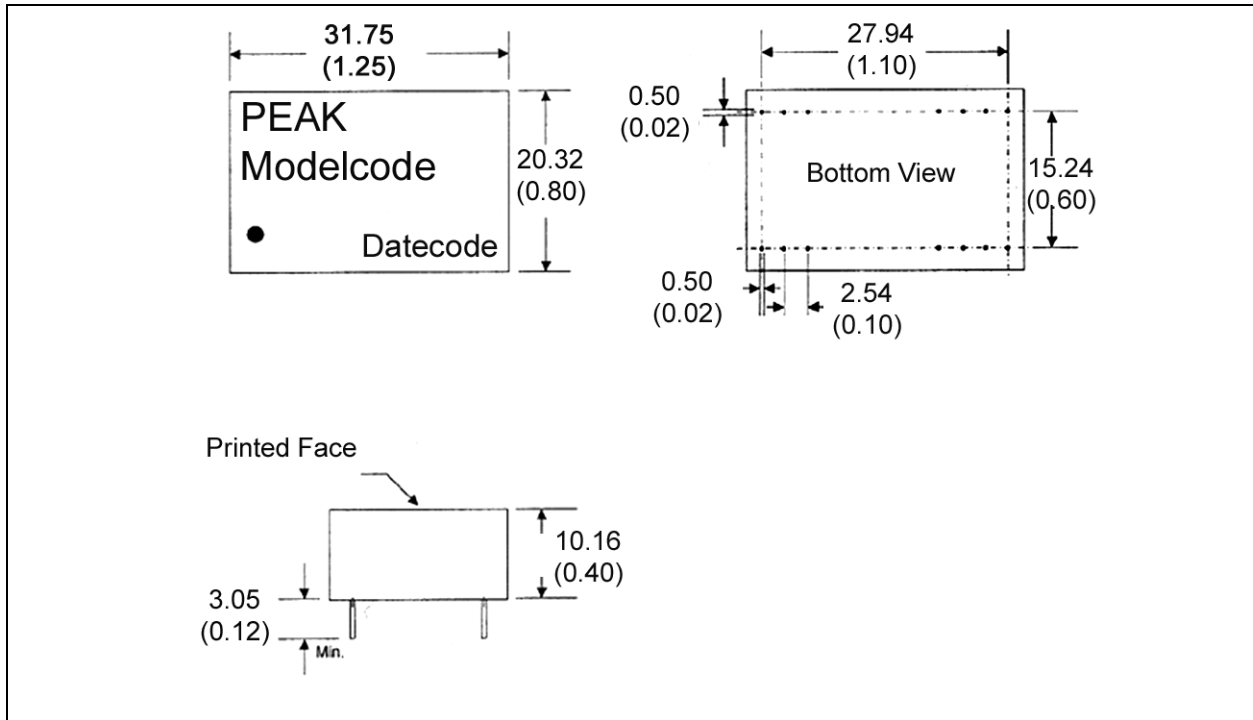
Weight 21,5 g

Case material Non conductive black plastic

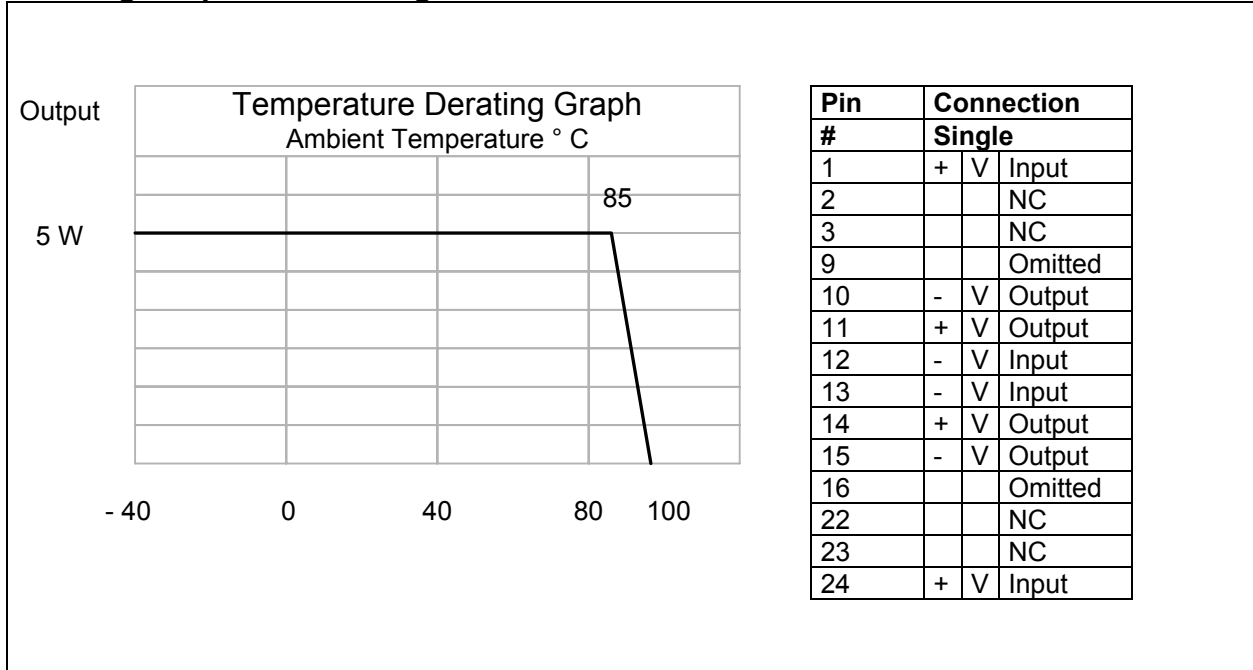
Examples of Partnumbers/Modelcode

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.)
P22TG-2405E4:1	9-36	14.5	274	5	1000	76
P22TG-2415E4:1	9-36	14.5	260	15	333	80
P22TG-4805E4:1	18-72	15.8	139	5	1000	75
P22TG-4812E4:1	18-72	15.8	132	12	417	79
P22TG-4815E4:1	18-72	15.8	130	15	333	80

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH