

## MD SERIES

## P22TG-XXXXZ2:1 1.5 KV ISOLATED 5 W REGULATED DUAL 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<sup>9</sup> Ohm

Capacitance

120 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

17,0 g

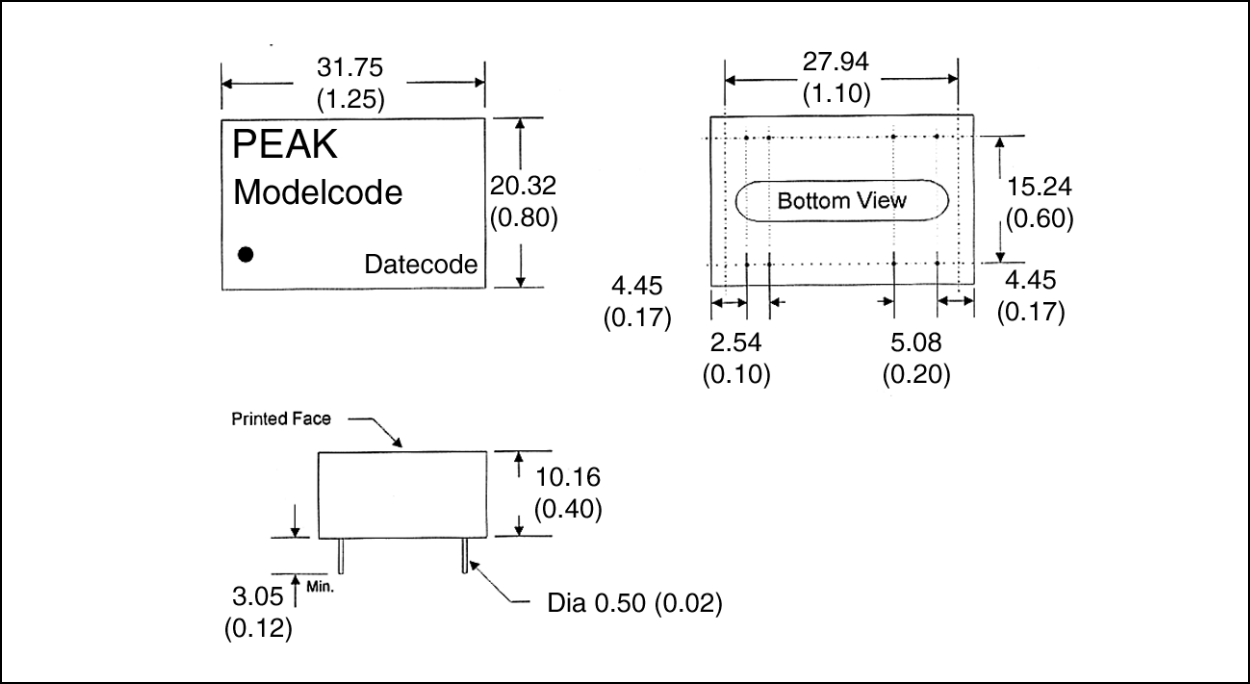
Case material

Non conductive black plastic

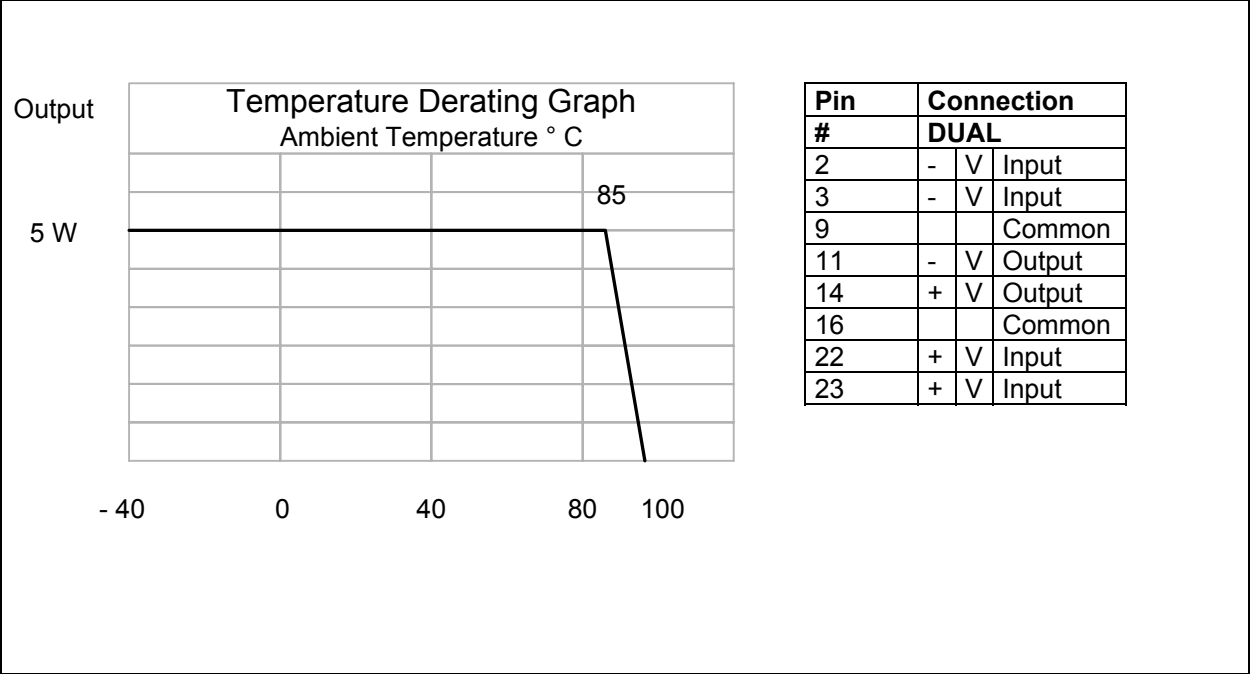
### Examples of Partnumbers/Modelcode

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-1205Z2:1	9-18	33	563	+/- 5	+/- 500	74
P22TG-1212Z2:1	9-18	33	534	+/- 12	+/- 208	78
P22TG-2405Z2:1	18-36	31	274	+/- 5	+/- 500	76
P22TG-4805Z2:1	36-72	29	139	+/- 5	+/- 500	75
P22TG-4812Z2:1	36-72	29	132	+/- 12	+/- 208	79

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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