

## M5 SERIES

## P10SG-XXXXZM 1 KV ISOLATED 2 W REGULATED DUAL OUTPUT DIP24

### Available Inputs:

5, 12 and 24 VDC

### Available Outputs:

(+/-) 3.6, 5, 7.2, 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 +/- 10 %

Filter Pi Network

#### Isolation Specifications

Rated voltage 1000 Vdc

Leakage current 1 mA

Resistance  $10^9$  Ohm

Capacitance 60 pF typ.

#### Output Specifications

Voltage accuracy +/- 2 %, max.

Ripple and noise (at 20 MHz BW) 75 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 65 % to 85 %

Switching frequency 125 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

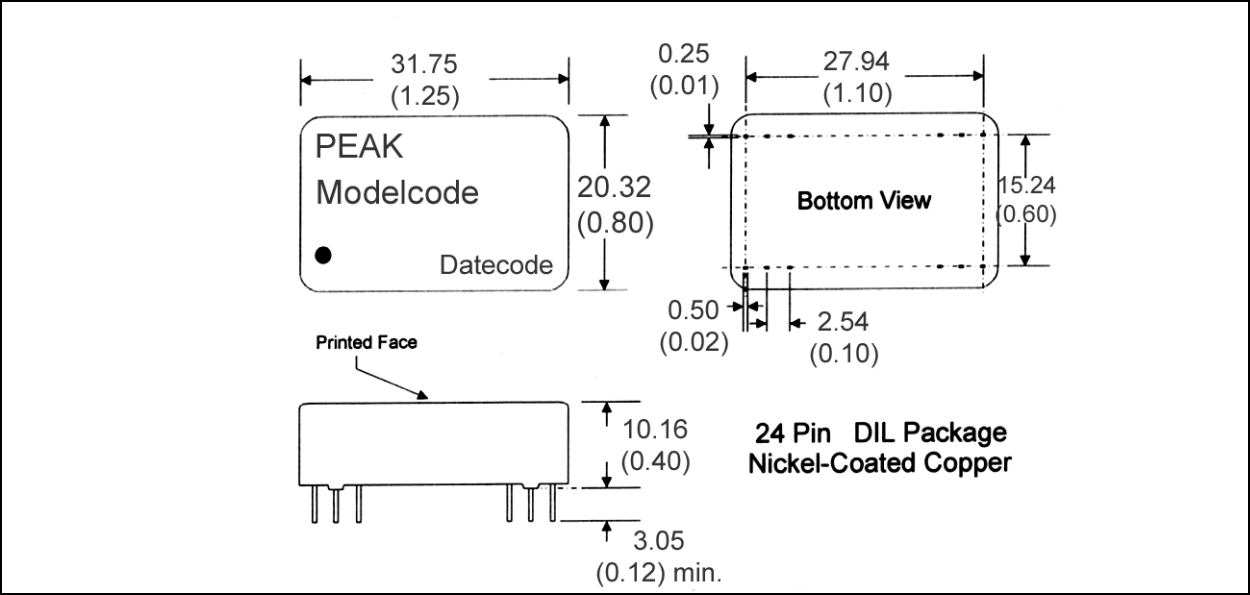
Weight 14,5 g

Case material Nickel Coated Copper

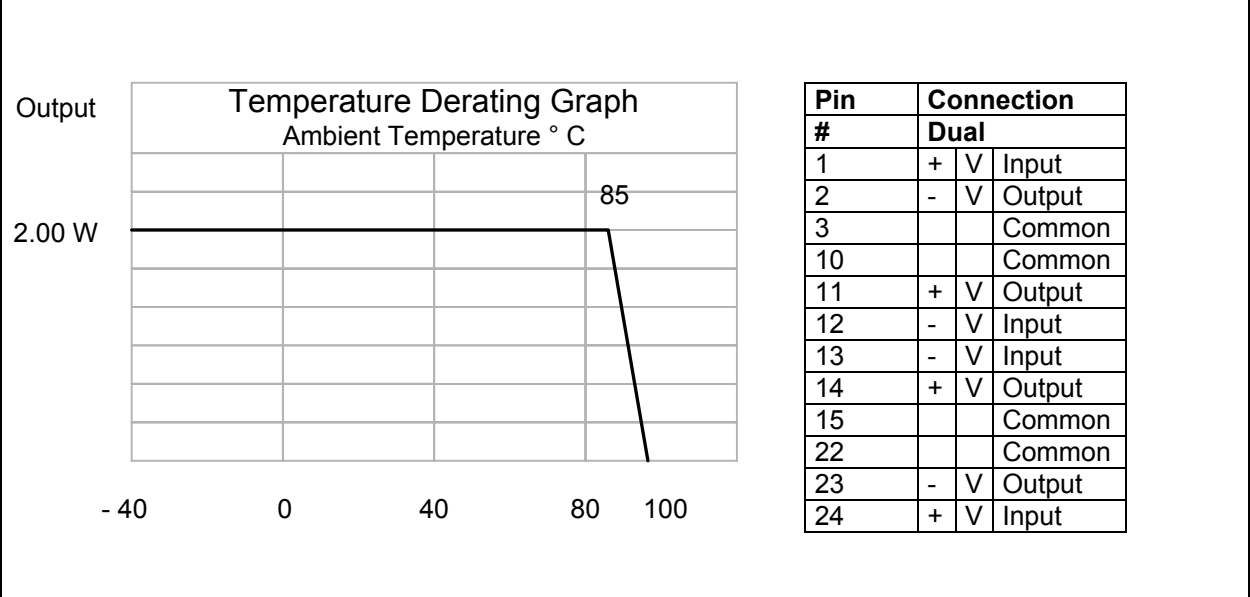
### Examples of Partnumbers/Modelcode

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.)
P10SG-0505ZM	5	88	615	+/- 5	+/- 200	65
P10SG-0512ZM	5	82	606	+/- 12	+/- 83	66
P10SG-1205ZM	12	65	252	+/- 5	+/- 200	66
P10SG-2405ZM	24	52	128	+/- 5	+/- 200	65
P10SG-2412ZM	24	10	121	+/- 12	+/- 83	69

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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