

M5 SERIES P14SG-XXXXEH52 5.2 KV ISOLATED 3 W REGULATED SINGLE OUTPUT DIP24

Available Inputs:

5, 12 and 24 VDC

Available Outputs:

3.6, 5, 7.2, 9, 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

5200 Vdc

Leakage current

1 mA

Resistance

10⁹ 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)

-25°C to +71°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

12,2 g

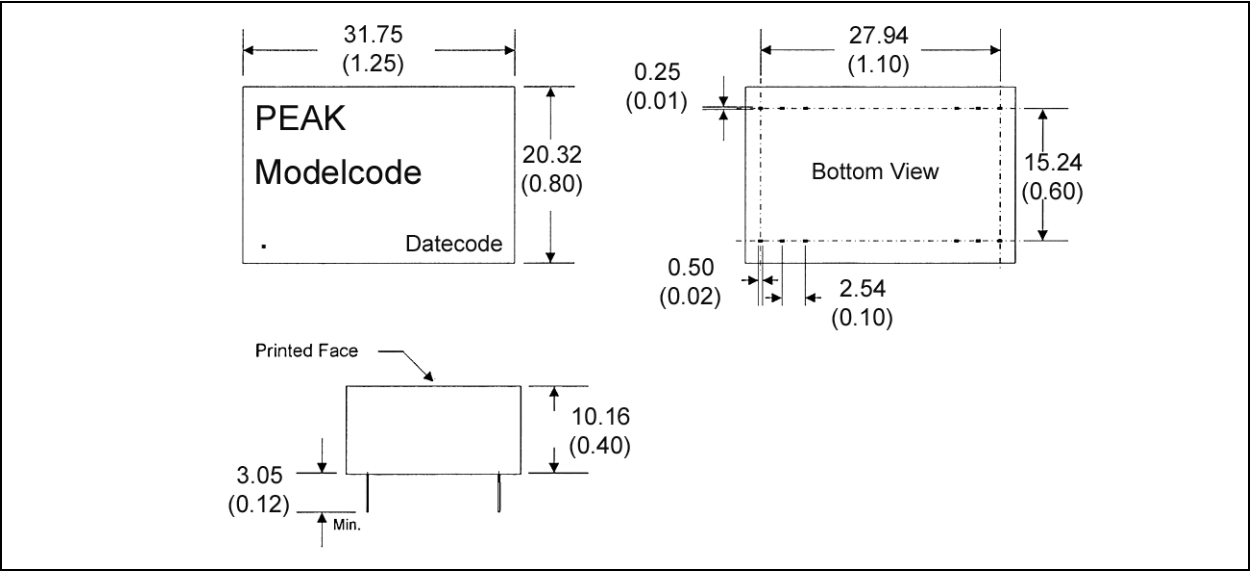
Case material

Non conductive black plastic

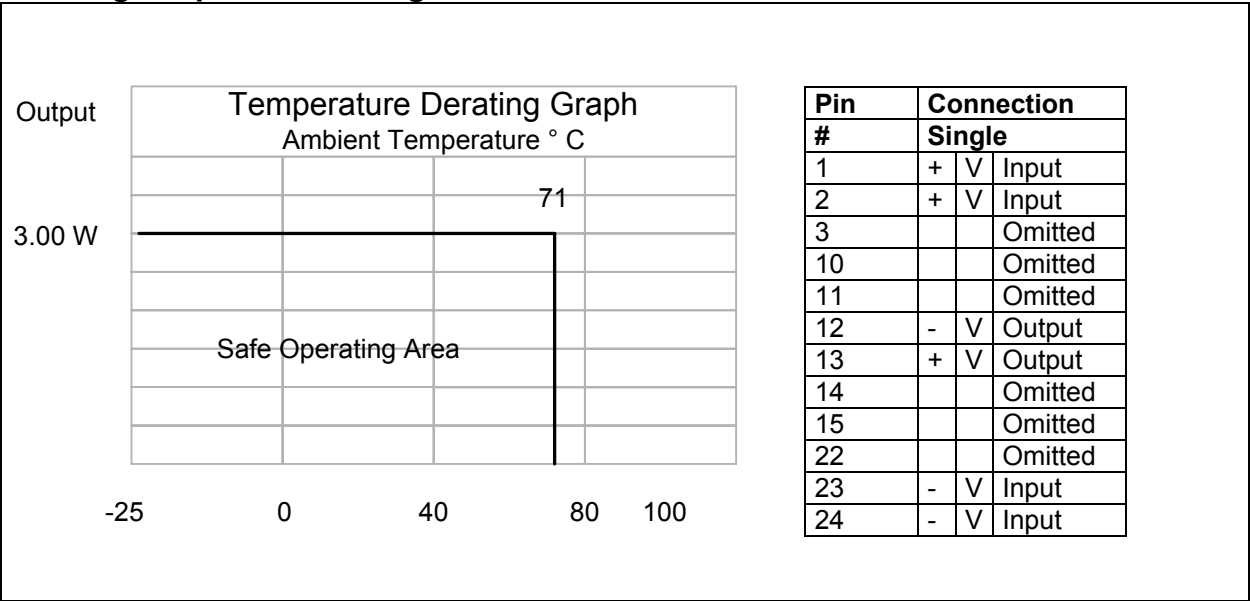
Examples of Partnumbers/Modelcode

| 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.) |
|----------------|--------------------------------|-----------------------|-------------------------|----------------------|--------------------------|-------------------------------|
| P14SG-0505EH52 | 5 | 68 | 938 | 5 | 600 | 64 |
| P14SG-0512EH52 | 5 | 65 | 910 | 12 | 250 | 66 |
| P14SG-1205EH52 | 12 | 58 | 376 | 5 | 600 | 66 |
| P14SG-1209EH52 | 12 | 55 | 362 | 9 | 333 | 69 |
| P14SG-1212EH52 | 12 | 54 | 357 | 12 | 250 | 70 |
| P14SG-2405EH52 | 24 | 24 | 192 | 5 | 600 | 65 |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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