

M5 SERIES

P14SG-XXXXZH52 5.2 KV ISOLATED 3 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 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

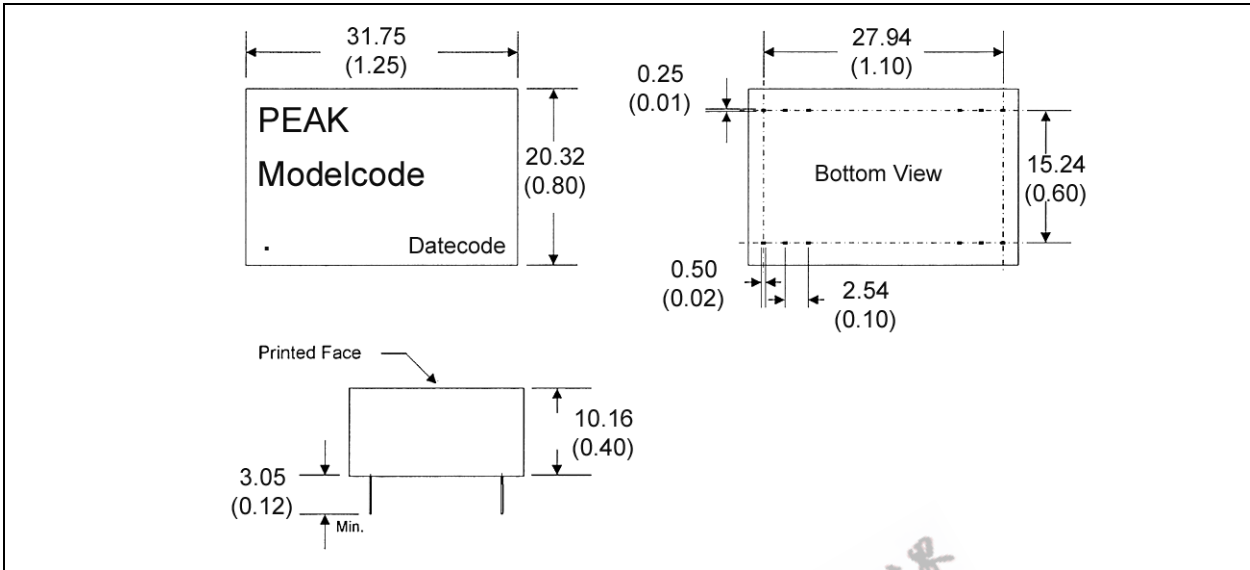
Physical Characteristics

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

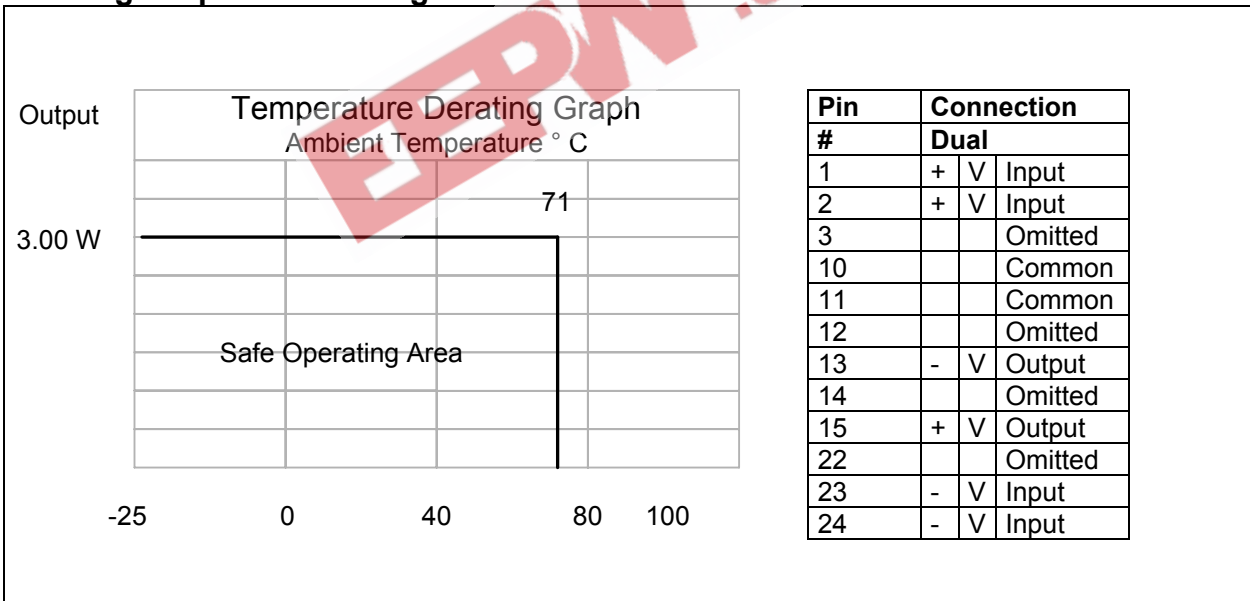
Examples of Partnumbers/Modelcode

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-0505ZH52	5	112	938	+/ 5	+/- 300	64
P14SG-0512ZH52	5	109	910	+/ 12	+/- 125	65
P14SG-1205ZH52	12	88	378	+/- 5	+/- 300	66
P14SG-1212ZH52	12	54	362	+/- 12	+/- 125	69
P14SG-2405ZH52	24	35	192	+/ 5	+/- 300	65
P14SG-2412ZH52	24	33	181	+/- 12	+/- 125	69
P14SG-2415ZH52	24	32	181	+/ 15	+/- 100	69

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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