

M2 SERIES P6LG-XXXXZS 3KV ISOLATED 0,6 – 1 W REGULATED DUAL SPLIT OUTPUT SIP7
Available Inputs:
5, 12 and 24 VDC
Available Outputs:
3.0, 3.3, 4.85 and 5 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 Capacitors

Isolation Specifications

 Rated voltage 3000 VDC
 Leakage current 1 mA
 Resistance 10⁹ Ohm
 Capacitance 80 pF typ.

Output Specifications

 Voltage accuracy +/- 1 %, max.
 Ripple and noise (at 20 MHz BW) 50 mV p-p, max.
 Short circuit protection Momentary
 Line voltage regulation +/- 0,4 %
 Load voltage regulation +/- 0,3 %
 Temperature coefficient +/- 0,02 % / °C

General Specifications

 Efficiency 60 % to 75 %
 Switching frequency 45 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

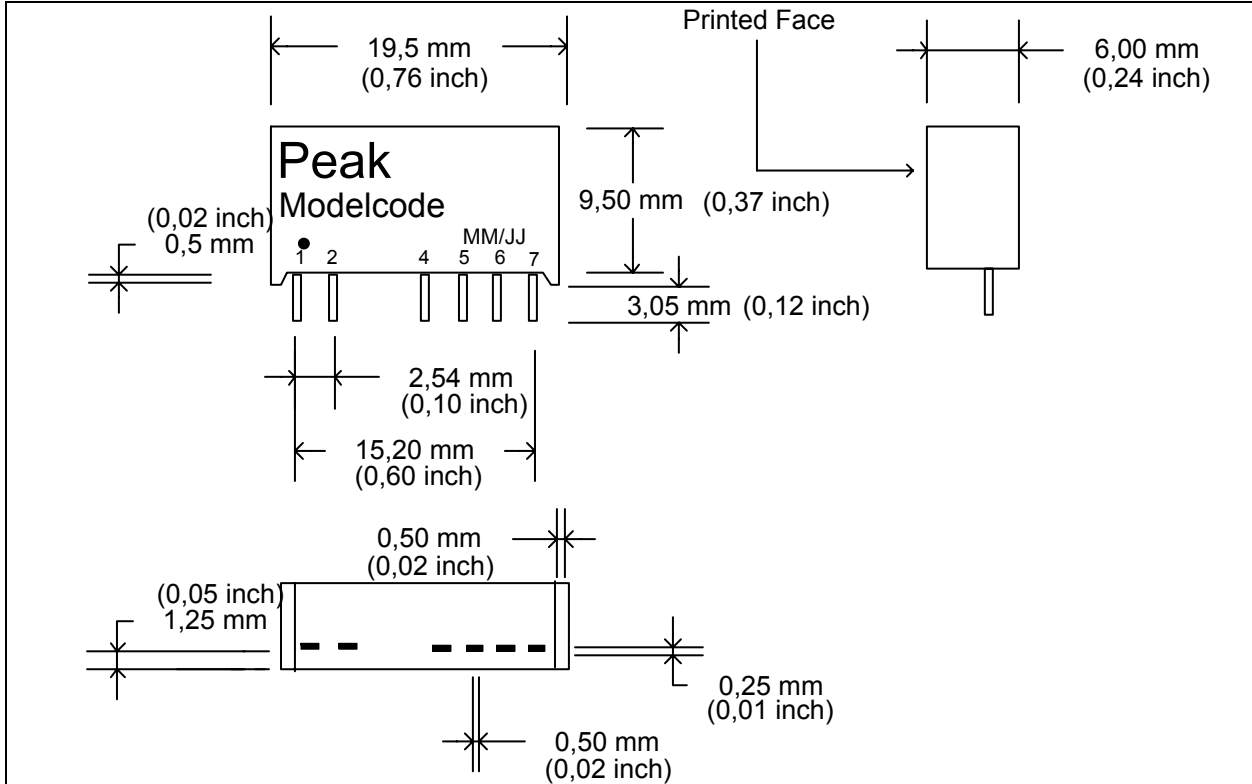
Physical Characteristics

 Dimensions SIP 19,50 x 6,00 x 9,50 mm
 0,76 x 0,24 x 0,37 inches
 Weight 2,5 g
 Case material Non conductive black plastic

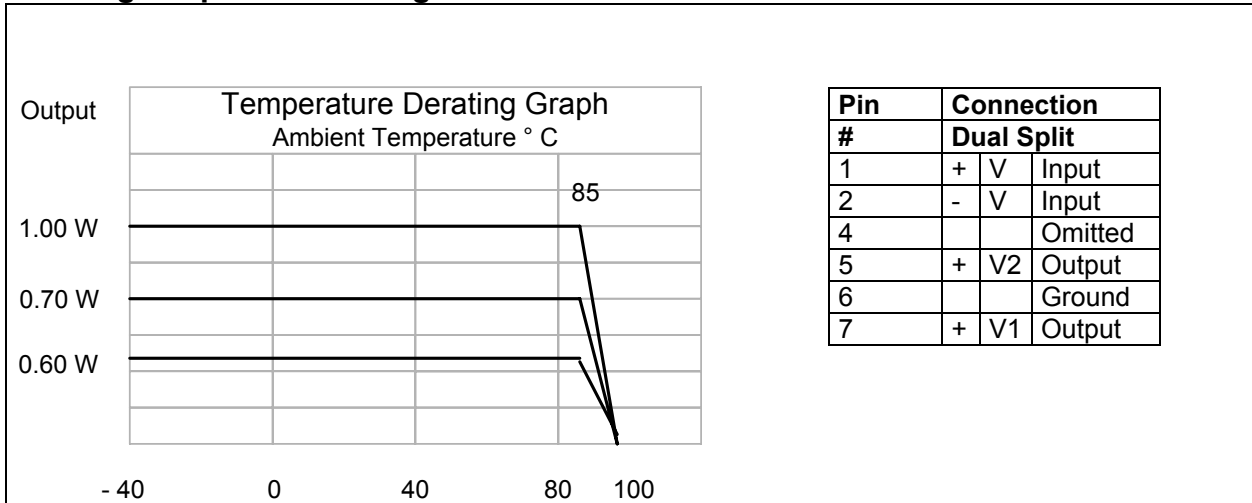
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6LG0503ZS	5	20	196	3/3	100/100	61
P6LG053R3ZS	5	21	212	3,3/3,3	100/100	62
P6LG054R8ZS	5	21	300	4,85/4,85	100/100	64
P6LG0505ZS	5	22	313	5/5	100/100	64
P6LG1203ZS	12	18	81	3/3	100/100	62
P6LG123R3ZS	12	18	88	3,3/3,3	100/100	62
P6LG124R8ZS	12	16	123	4,85/4,85	100/100	65
P6LG1205ZS	12	15	128	5/5	100/100	65
P6LG2403ZS	24	16	40	3/3	100/100	62
P6LG243R3ZS	24	16	44	3,3/3,3	100/100	62
P6LG244R8ZS	24	15	62	4,85/4,85	100/100	65
P6LG2405ZS	24	14	64	5/5	100/100	65

Dimensions



Derating Graph and Pinning



Pin #	Connection Dual Split		
1	+	V	Input
2	-	V	Input
4			Omitted
5	+	V2	Output
6			Ground
7	+	V1	Output

Specification can be changed without notice.

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