

**M2 SERIES P6DG-XXXXZS 1KV ISOLATED 0,6 – 1 W REGULATED DUAL SPLIT OUTPUT DIP14**
**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 1000 VDC  
 Leakage current 1 mA  
 Resistance  $10^9$  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**

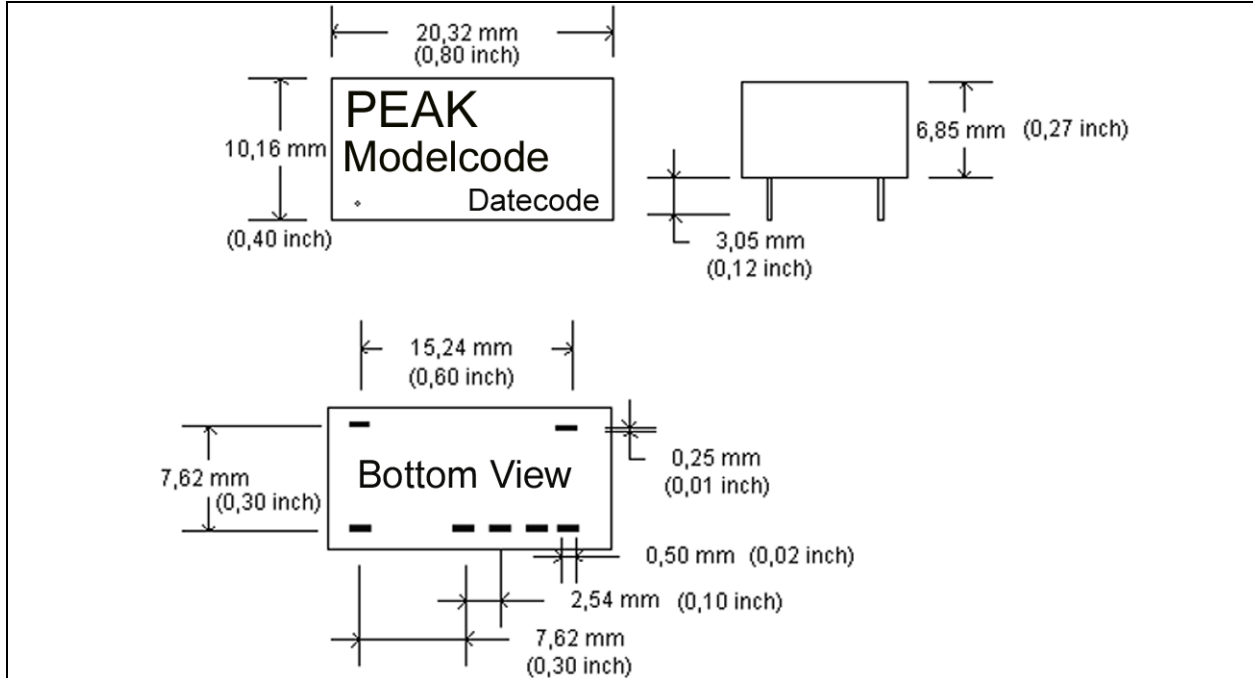
 Dimensions DIP 20.32 x 10.16 x 6.85 mm  
 0.80 x 0.40 x 0.27 inches  
 Weight 2,5 g  
 Case material Non conductive black plastic

**Examples of Partnumbers/Modelcode**

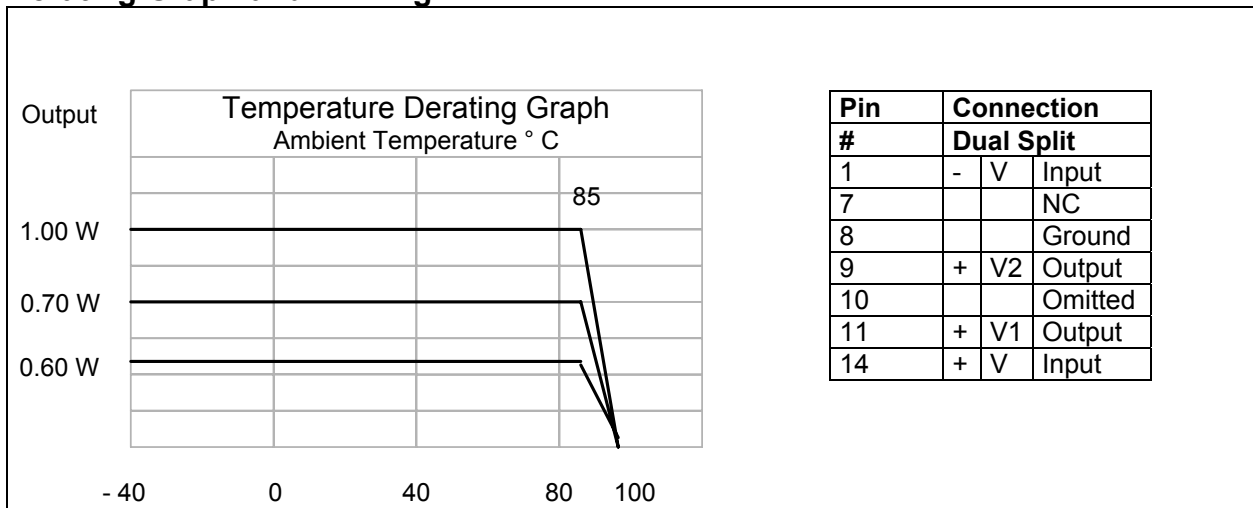
PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6DG0503ZS	5	20	196	3/3	100/100	61
P6DG053R3ZS	5	21	212	3,3/3,3	100/100	62
P6DG054R8ZS	5	21	300	4,85/4,85	100/100	64
P6DG0505ZS	5	22	313	5/5	100/100	64
P6DG1203ZS	12	18	81	3/3	100/100	62
P6DG123R3ZS	12	18	88	3,3/3,3	100/100	62
P6DG124R8ZS	12	16	123	4,85/4,85	100/100	65
P6DG1205ZS	12	15	128	5/5	100/100	65
P6DG2403ZS	24	16	40	3/3	100/100	62
P6DG243R3ZS	24	16	44	3,3/3,3	100/100	62
P6DG244R8ZS	24	15	62	4,85/4,85	100/100	65
P6DG2405ZS	24	14	64	5/5	100/100	65

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**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

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