

**M1 SERIES P6LU-XXXXEH52 5.2KV ISOLATED 1W UNREGULATED SINGLE OUTPUT SIP7**
**Available Inputs:**
**5, 12, 24 and 48 VDC**
**Available Outputs:**
**3.3, 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 Capacitors

**Isolation Specifications**

 Rated voltage 5200 VDC  
 Leakage current 1 mA  
 Resistance  $10^9$  Ohm  
 Capacitance 80 pF typ.

**Output Specifications**

 Voltage accuracy +/- 5 %, max.  
 Ripple and noise (at 20 MHz BW) 75 mV p-p, max.  
 Short circuit protection Momentary  
 Line voltage regulation +/- 1,2 % / 1,0 % of  $V_{in}$   
 Load voltage regulation +/- 10 %, load = 20 ~ 100 %  
 Temperature coefficient +/- 0,02 % / °C

**General Specifications**

 Efficiency 70 % to 80 %  
 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 SIP 19,50 x 6,00 x 9,50 mm  
 0,76 x 0,24 x 0,37 inches  
 Weight 2 g, 3 g for the 48 VDC variants  
 Case material Non conductive black plastic

**Examples for Partnumbers**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6LU-0505EH52	5	16	277	5	200	72
P6LU-0512EH52	5	18	254	12	84	79
P6LU-1205EH52	12	11	119	5	200	70
P6LU-1212EH52	12	10	104	12	84	80
P6LU-2405EH52	24	6	55	5	200	76
P6LU-2412EH52	24	7	54	12	84	77
P6LU-2415EH52	24	8	55	15	67	76

