

**PH42WG-XXXXE4:1 1,5 KVDC ISOLATED 10 W REGULATED SINGLE OUTPUT**

**Available Inputs: 12 and 24 VDC with Ultra Wide Input 4:1**

**Available Outputs: 3.3, 5, 12 and 15 VDC**

**Electrical Specifications**

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

**Input Specifications**

Voltage range possibility 9 -36 VDC (12 VDC), 18 - 72 VDC (24 VDC))  
Filter Pi Filter

**Isolation Specifications**

Rated voltage 1500 VDC  
Resistance 10<sup>9</sup> Ohm  
Capacitance

**Output Specifications**

Voltage accuracy +/--2%  
Ripple and noise (at 20 MHz BW) 80mV p-p max. at 20MHz BW  
Short circuit protection Continuous with auto restart & overload protected  
Line voltage regulation +/- 0,5 % max.  
Load voltage regulation +/- 0,5 % max.  
Temperature coefficient +/- 0,02 % / °C

**General Specifications**

Efficiency 78 – 85 %  
Switching frequency 200 KHz, typ.

**Environmental Specifications**

Operating temperature (ambient) - 40°C to +75°C  
Storage temperature - 55 °C to + 115 °C

**Partnumber / Modelcode**

PART NO.	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
PH42WG-1205E4:1	9 –36	5	2000	80
PH42WG-1212E4:1	9 –36	12	830	84
PH42WG-1215E4:1	9 –36	15	666	85
PH42WG-2405E4:1	18 –75	5	2000	78
PH42WG-2412E4:1	18 –75	12	830	84
PH42WG-2415E4:1	18 –75	15	666	84
PH42WG-127R5E4:1	9 –36	7,5	1310	80
PH42WG-1209E4:1	9 –36	9,0	1100	80
PH42WG-1214R4E4:1	9 –36	14,4	695	81

Remark:

Input Current will be measured at Nominal Input Voltage, 9-36 is @ 12V

