

B7 SERIES

PB47WG-XXXXZ2:1H30 3 KVDC ISOLATED 15 W REGULATED DUAL OUTPUT

Available Inputs: 12, 24 and 48 VDC Wide Input 2:1

Available Outputs: (+/-) 3.3, 5, 9, 12 and 15 VDC

Electrical Specifications

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

Input Specifications

Voltage range 9 -18 VDC (12 VDC), 18 - 36 VDC (24 VDC), 36 - 72 VDC (48 VDC)
 Filter Pi Filter

Isolation Specifications

Rated voltage 3000 Vdc
 Resistance 10⁹ Ohm
 Capacitance 350 pF typ.

Output Specifications

Voltage accuracy +/- 1 % typ. +/-2% max.
 Ripple and noise (at 20 MHz BW) 50 mV p-p typ. , 100/120 mV p-p (12/15 VDC Output)
 Short circuit protection Continuous , restart automatic
 Line voltage regulation +/- 0,5 % max.
 Load voltage regulation +/- 2 % max.
 Temperature coefficient +/- 0,02 % / °C

General Specifications

Efficiency 79 % to 84 %
 Switching frequency 250 KHz, typ.

Environmental Specifications

Operating temperature (ambient) -25°C to +71°C
 Storage temperature - 55 °C to + 105 °C

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.)
PB47WG-1205Z2:1H30	9 –18	27	1603	+/- 5	+/- 1500	78
PB47WG-1212Z2:1H30	9 –18	32	1563	+/- 12	+/- 625	80
PB47WG-2405Z2:1H30	18 - 36	20	791	+/- 5	+/- 1500	79
PB47WG-2412Z2:1H30	18 - 36	22	772	+/- 12	+/- 625	81
PB47WG-4805Z2:1H30	36 - 72	12	396	+/- 5	+/- 1500	79
PB47WG-4815Z2:1H30	36 - 72	15	381	+/- 15	+/- 500	82

Remark:

1. Input Current is measured at Norminal Input Voltage, 9-18 is @ 12V, 18-36 is @ 24V, 36-72 is @ 48V

