

**B7 SERIES**

**PB47WG-XXXXE2:1 1.5 KVDC ISOLATED 15 W REGULATED SINGLE 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 1500 Vdc  
 Resistance 10<sup>9</sup> 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 +/- 0,5 % 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

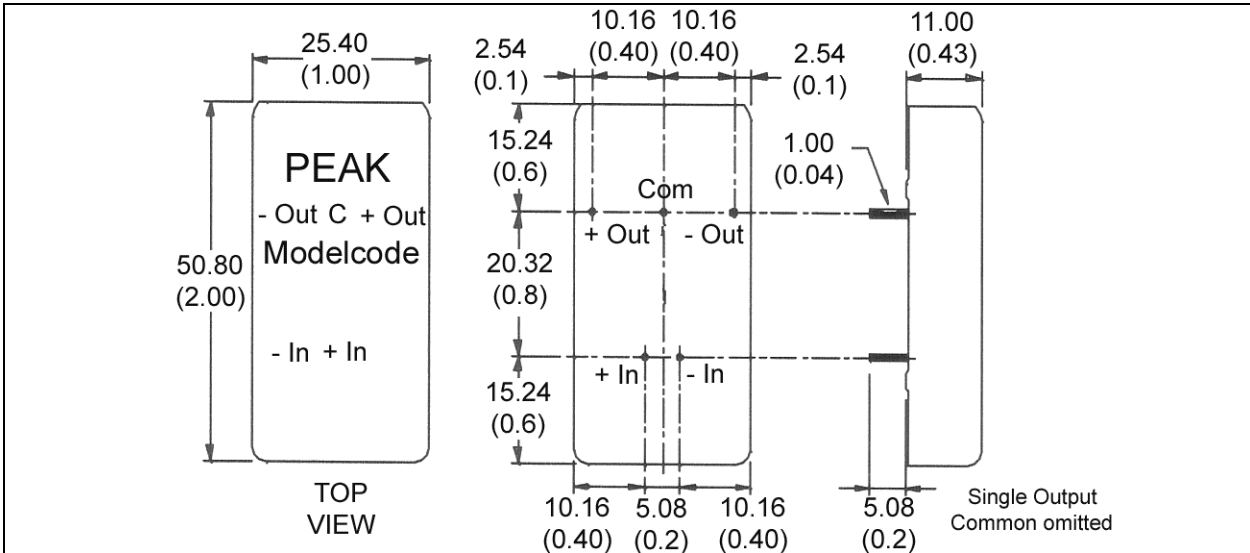
**Examples of Partnumbers/Modelcode**

| 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-1205E2:1 | 9 –18               | 22                    | 1582                    | 5                    | 3000                     | 79                            |
| PB47WG-1212E2:1 | 9 –18               | 30                    | 1543                    | 12                   | 1250                     | 81                            |
| PB47WG-2405E2:1 | 18 - 36             | 17                    | 781                     | 5                    | 3000                     | 80                            |
| PB47WG-2412E2:1 | 18 - 36             | 20                    | 762                     | 12                   | 1250                     | 82                            |
| PB47WG-4805E2:1 | 36 - 72             | 12                    | 396                     | 5                    | 3000                     | 79                            |
| PB47WG-4812E2:1 | 36 - 72             | 15                    | 381                     | 12                   | 1250                     | 82                            |
|                 |                     |                       |                         |                      |                          |                               |
|                 |                     |                       |                         |                      |                          |                               |
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|                 |                     |                       |                         |                      |                          |                               |
|                 |                     |                       |                         |                      |                          |                               |

**Remark:**

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

**Dimensions**



Specification can be changed without notice.

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