

# DC/DC CONVERTERS

## FOR REGULATED STRAIN GAGE AND TRANSDUCER EXCITATION FROM AN UNREGULATED DC SOURCE

### PSD/PSE Series



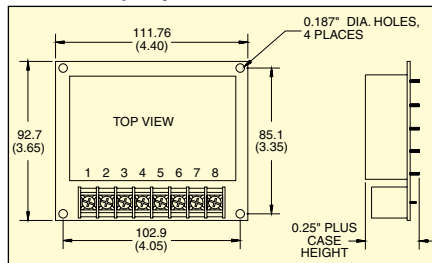
- Wide Input Ranges
- High Efficiency
- Low Noise, Highly Regulated

The OMEGA® 10- and 12-watt, single- and dual-output converters have extra-wide input ranges, allowing a single unit to operate from multiple bus voltages. Linear post regulator-based design provides outstanding line and load regulation.

### COMMON SPECIFICATIONS

**Line Regulation Typical:** 0.02%  
**Load Regulation Typical:** 0.02%  
**Noise typical:** 10 mV p-p  
**Isolation:** 700 to 1544 Vdc input to output, depending on mode  
**Operating Temperature:** -25 to 80°C (-13 to 176°F)

#### DC/DC Converter with Barrier Strip Style Connector



PSC-08B		
PIN	12 WATT SINGLE	12 WATT DUAL
1	-DC INPUT	-DC INPUT
2	+DC INPUT	+DC INPUT
3	N/C	N/C
4	N/C	N/C
5	N/C	N/C
6	+OUTPUT	+OUTPUT
7	N/C	OUTPUT CMN
8	OUTPUT CMN	-OUTPUT



PSD-12D, with PSC-08B, shown smaller than actual size.

Dimensions: mm (inch)

