



# 1.8 WATT SINGLE OUTPUT

Local Area Network 24-Pin DIP Package  
DC/DC Converters



## FEATURES

- IEEE 802.3 Standard
- FCC Class B Approval
- 78% Efficiency
- Short Circuit Protection
- 24 Pin DIP Package
- 100% Burn-in + Triple Tested

TWU1.8 Series

## Specifications

All specifications are typical at nominal input, full load, and 25°C , unless otherwise noted.

### INPUT

Voltages Range..... $\pm 10\%$  (See Table)

### OUTPUT

Voltage Accuracy..... $\pm 5\%$

Line Regulation @ Full Load..... $\pm 10\%$  max

Load Regulation @ Full Load to 1/2 Load..... $\pm 10\%$  max

Ripple Noise (20MHz Bw).....50mVp-p max.

### GENERAL

Efficiency.....78%

Isolation Voltage.....500Vdc

Isolation Resistance.....1000MOhms

Switching Frequency.....25KHz min.

### ENVIRONMENTAL

Operating Temperature Range.....-25° to +71°C

Storage Temperature Range.....-40° to +100°C

Cooling.....Free Air Convection

### PHYSICAL

Case Material.....Non-Conductive Black Plastic

Weight.....0.5 oz. (14.3 grams)

Dimensions.....See Diagrams

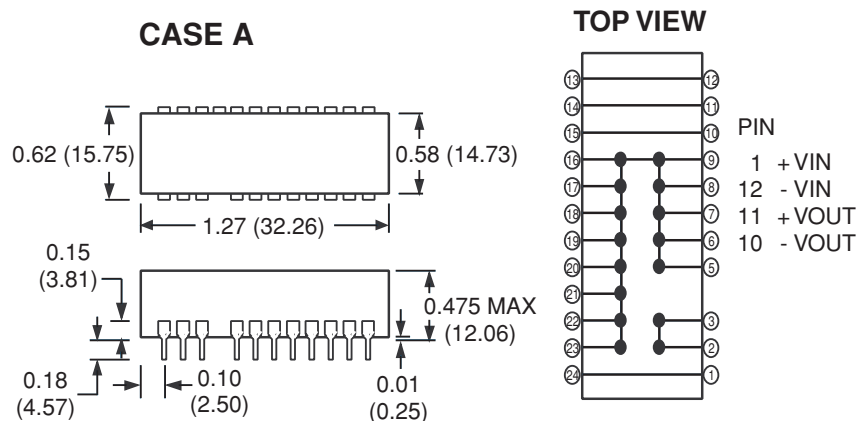
## Selection Guide

(Continued)

| UNREGULATED | Input Voltage<br>Nominal<br>(Vdc) | Output<br>Voltage<br>(Vdc) | Output<br>Current<br>(mA, Max) | Efficiency<br>% | Case | Model Number   |
|-------------|-----------------------------------|----------------------------|--------------------------------|-----------------|------|----------------|
|             | 5                                 | 9                          | 200                            | 78              | A    | TWU1.8-5S9-A   |
|             | 12                                | 9                          | 250                            | 78              | A    | TWU2.25-12S9-A |

## Mechanical Specifications

| I/O Connections |        |
|-----------------|--------|
| Pin             | SINGLE |
| 1               | +Vin   |
| 10              | -Vout  |
| 11              | +Vout  |
| 12              | -Vin   |



All Dimensions are in inches (mm)