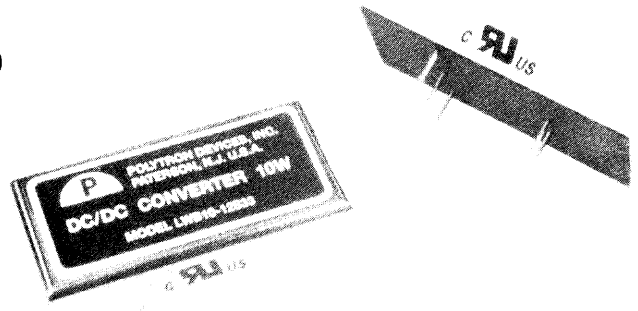


Regulated DC/DC Converters

10 Watt WIDE TEMPERATURE RANGE

FEATURES:

- UL and CE approved
- Wide Input Voltage Range
- 40°C to +85°C Operating Temp. Range
- Low Profile Package (1.00" x 2.00" x 0.375")
- Input/Output Isolation
- Efficiency up to 82% *a FL*
- Short Circuit Protection
- Over Voltage Protection
- Six-Sided Continuous Metal Shielding
- Epoxy Encapsulated
- Single and Dual Output Voltage



SPECIFICATIONS:

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

INPUT:

Input Voltage Range	
<u>LWA10 SERIES</u>	<u>LWB10 SERIES</u>
12V nominal.....9 to 18 Vdc	24V nominal.....9 to 36 Vdc
24V nominal.....18 to 36 Vdc	48V nominal.....18 to 72 Vdc
48V nominal.....36 to 72 Vdc	
Input Filter.....	Pi Network

OUTPUT:

Voltage Accuracy.....	±2%
Line Regulation, LI- HI.....	±1.0%
Load Regulation, 100% to 10%.....	±1.0%(Single), ±2.0% (Dual)
Temperature Coefficient.....	±0.02%/° C
Transient Response Recovery Time, 25% load step Change.....	500µs
Output Noise and Ripple (20MHz BW)	
Single Output.....	50mV P-P Max, 35mV RMS Max
Dual Outputs.....	75mV P-P Max, 50mV RMS Max

GENERAL:

Isolation Voltage.....	1500 Vdc, min.
Isolation Resistance.....	10 ⁹ Ohms, Min.
Switching Frequency.....	200KHz, typ.

ENVIRONMENTAL:

Operating Temperature Range.....	-25° C to +71° C * (-40°C to +85°C available)
Storage Temperature Range.....	-40° C to +105° C
Cooling.....	Free-Air Convection
EMI/RFI.....	Six-Sided Continuous Shield

PHYSICAL:

Dimensions.....	1.00 x 2.00 x .0375 Inches (25.4 x 50.8 x 10.2mm)
Case Material.....	Nickel Coated Copper With Non-Conductive Base

* For -40°C to +85°C operating temperature range, use suffix "W" after model number

24 Pin Dip
Wide Input Range
8 Watt
Regulated
DC/DC
Converters

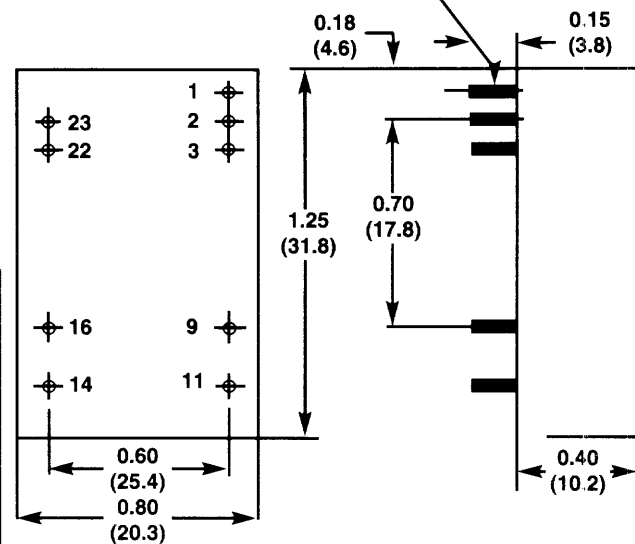


PIN CONNECTIONS

PIN#	SINGLE	DUAL
1	ON/OFF	ON/OFF
2	-Vin	-Vin
3	-Vin	-Vin
9	No Connection	Com
11	No Connection	-Vout
14	+Vout	+Vout
16	-Vout	Com
22	+Vin	+Vin
23	+Vin	+Vin

Continued

0.010x0.020(0.25x0.50)
 Rectangular Pin



ALL DIMENSIONS IN INCHES (mm)
 BOTTOM VIEW

SINGLE VOLTAGE

INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	% EFF	MODEL NUMBER
9-18	3.3	2000	80	TWA8-12S3.3
9-18	5	1500	82	TWA8-12S5
9-18	12	666	83	TWA8-12S12
9-18	15	533	83	TWA8-12S15
18-36	3.3	2000	81	TWA8-24S3.3
18-36	5	1500	82	TWA8-24S5
18-36	12	666	83	TWA8-24S12
18-36	15	533	83	TWA8-24S15
36-72	3.3	2000	81	TWA8-48S3.3
36-72	5	1500	83	TWA8-48S5
36-72	12	666	84	TWA8-48S12
36-72	15	533	84	TWA8-48S15
9-18	±5	±800	83	TWA8-12-5
9-18	±12	±333	84	TWA8-12-12
9-18	±15	±267	84	TWA8-12-15
18-36	±5	±800	83	TWA8-24-5
18-36	±12	±333	84	TWA8-24-12
18-36	±15	±267	84	TWA8-24-15
36-72	±5	±800	84	TWA8-48-5
36-72	±12	±333	85	TWA8-48-12
36-72	±15	±267	85	TWA8-48-15

DUAL VOLTAGE

PRICING (1-9 Qty)

Single Voltage \$53.00

Dual Voltage \$59.00

*Contact factory for quantity discount.