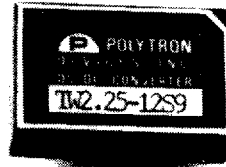
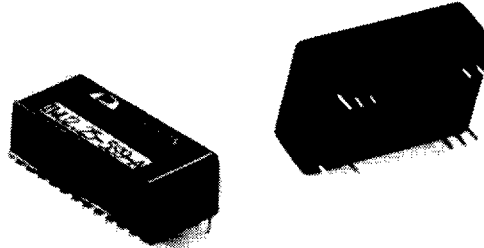


# DC/DC CONVERTERS LOCAL AREA NETWORK 24 PIN DIP PACKAGE

**\$3.95  
OEM QTY.**

## FEATURES:

- IEEE 802.3 STANDARDS
- FCC CLASS B APPROVAL
- 78% EFFICIENCY
- SHORT CIRCUIT PROTECTION
- 24 PIN DIP PACKAGE
- 100% BURNED IN + TRIPLE TESTED



## SPECIFICATIONS:

- Input Voltage Range:  $\pm 10\%$
- Voltage Accuracy:  $\pm 5\%$
- Ripple and Noise (20 MHz BW): 50mV P-P Max
- Line Regulation:
  - Regulated Models:  $\pm 3\%$
- Load Regulation:
  - Regulated Models:  $\pm 3\%$
  - Unregulated Models: (See Graph)
- Efficiency: Regulated Models: 65%  
Unregulated Models: 78%
- Switching Frequency: 25 KHz Min
- Isolation Voltage: 500 VDC
- Isolation Resistance: 1000 Megohms
- Operating Temperature:  $-25^{\circ}\text{C}$  to  $+71^{\circ}\text{C}$
- Case Material: Non - Conductive Black Plastic
- Weight: 0.5 oz. (14.3 grams)
- Dimensions: 1.25" x 0.80" x 0.50"

## SELECTION GUIDE

	INPUT VOLTAGE Vdc	OUTPUT VOLTAGE Vdc	OUTPUT CURRENT mA	EFF %	CASE STYLE	MODEL NUMBER
UNREGULATED	5	9	250	78	A	TWU2.25-5S9-A
	12	9	250	78	A	TWU2.25-12S9-A
REGULATED	5	9	250	65	A	TW2.25S9-A
	12	9	250	65	A	TW2.25-12S9-A
	5	9	250	65	B	TW2.25-5S9
	12	9	250	65	B	TW2.25-12S9

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**POLYTRON DEVICES, INC.**

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## 24 PIN DIP DC/DC CONVERTERS: CONTINUED

### CASE B

Pin Connections		
PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+V INPUT	+V INPUT
2	N.C.	-V OUTPUT
3	N.C.	COMMON
10	-V OUTPUT	COMMON
11	+V OUTPUT	+V OUTPUT
12	-V INPUT	-V INPUT
13	-V INPUT	-V INPUT
14	+V OUTPUT	+V OUTPUT
15	-V OUTPUT	COMMON
22	N.C.	COMMON
23	N.C.	-V OUTPUT
24	+V INPUT	+V INPUT

### BOTTOM VIEW

ALL DIMENSIONS IN INCHES (MM)

### CASE A

### TOP VIEW

QUANTITY	100	500	1000	5000	10,000
REGULATED	7.25	6.50	5.90	5.40	4.90
UNREGULATED	6.25	5.50	4.90	4.40	3.95

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