

REGULATED DC/DC CONVERTERS

24 PIN DIP

TW SERIES
1.8W-3W

FEATURES:

- HIGH PERFORMANCE TT INPUT FILTER
- SINGLE AND DUAL OUTPUTS
- HIGHLY REGULATED ISOLATED OUTPUTS
- 100% BURN IN
- HIGH EFFICIENCY
- HIGH RELIABILITY
- NO EXTERNAL COMPONENTS



SPECIFICATIONS:

- **OUTPUT VOLTAGE STABILITY**
0.02%/°C Max.
- **OUTPUT VOLTAGE ACCURACY**
± 5%
- **REGULATION**
Line: ± 0.5% Max.
Load: ± 1% Max.
- **RIPPLE AND NOISE**
50 mVP-P Max.
- **INPUT-OUTPUT ISOLATION**
500 Vdc Min.
2000 Vdc (Optional)
- **OPERATING TEMPERATURE**
-25°C to +71°C
- **STORAGE TEMPERATURE**
-40°C to +100°C
- **EFFICIENCY**
55% Min.

SINGLE VOLTAGE UNITS	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	MODEL NUMBER	PRICE 1-9 QTY
	5 (4.5-5.5)	5	360	TW1.8-5S5	23.00
		5	600	TW3-5S5	29.00
		9	250	TW1.8-5S9	23.00
		9	334	TW3-5S9	29.00
		12	150	TW1.8-5S12	23.00
		12	250	TW3-5S12	29.00
		15	120	TW1.8-5S15	23.00
	12 (10.8-13.2)	15	200	TW3-5S15	29.00
		5	360	TW1.8-12S5	23.00
		5	600	TW3-12S5	29.00
		9	250	TW1.8-12S9	23.00
		9	334	TW3-12S9	29.00
		12	150	TW1.8-12S12	23.00
		12	250	TW3-12S12	29.00
	24 (21.6-26.4)	15	120	TW1.8-12S15	23.00
		15	200	TW3-12S15	29.00
		5	360	TW1.8-24S5	23.00
		5	600	TW3-24S5	29.00
		9	250	TW1.8-24S9	23.00
		9	334	TW3-24S9	29.00
		12	150	TW1.8-24S12	23.00
	28 (25.2-30.8)	12	250	TW3-24S12	29.00
		15	120	TW1.8-24S15	23.00
		15	200	TW3-24S15	29.00
		5	360	TW1.8-28S5	23.00
		5	400	TW2-28S5	25.00
		5	600	TW3-28S5	29.00
		9	250	TW1.8-28S9	23.00
	48 (43.2-52.8)	9	334	TW3-28S9	29.00
		12	150	TW1.8-28S12	23.00
		12	250	TW3-28S12	29.00
		15	120	TW1.8-28S15	23.00
		15	200	TW3-28S15	29.00
		5	360	TW1.8-48S5	23.00
		5	600	TW3-48S5	29.00
		9	250	TW1.8-48S9	23.00
		9	334	TW3-48S9	29.00
		12	150	TW1.8-48S12	23.00
		12	250	TW3-48S12	29.00
		15	120	TW1.8-48S15	23.00
		15	200	TW3-48S15	29.00



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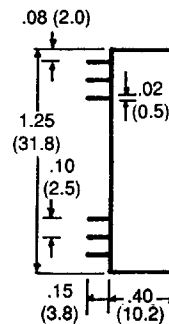
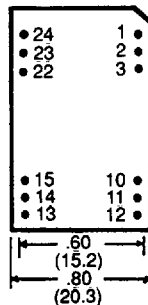
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24-PIN DIP DC/DC CONVERTERS (continued)

DUAL VOLTAGE UNITS	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	MODEL NUMBER	PRICE 1-9 QTY
	5 (4.5-5.5)	± 5	± 180	TW1.8-5-5	29.00
		± 5	± 300	TW3-5-5	34.00
		± 9	± 100	TW1.8-5-9	29.00
		± 9	± 167	TW3-5-9	34.00
		± 12	± 75	TW1.8-5-12	29.00
		± 12	± 125	TW3-5-12	34.00
		± 15	± 60	TW1.8-5-15	29.00
		± 15	± 100	TW3-5-15	34.00
	12 (10.8-13.2)	± 5	± 180	TW1.8-12-5	29.00
		± 5	± 300	TW3-12-5	34.00
		± 12	± 75	TW1.8-12-12	29.00
		± 12	± 125	TW3-12-12	34.00
		± 15	± 60	TW1.8-12-15	29.00
		± 15	± 100	TW3-12-15	34.00
	24 (21.6-26.4)	± 5	± 180	TW1.8-24-5	29.00
		± 5	± 300	TW3-24-5	34.00
		± 12	± 75	TW1.8-24-12	29.00
		± 12	± 125	TW3-24-12	34.00
		± 15	± 60	TW1.8-24-15	29.00
		± 15	± 100	TW3-24-15	34.00
	28 (25.2-30.8)	± 5	± 180	TW1.8-28-5	29.00
		± 5	± 300	TW3-28-5	34.00
		± 12	± 75	TW1.8-28-12	29.00
		± 12	± 125	TW3-28-12	34.00
		± 15	± 60	TW1.8-28-15	29.00
		± 15	± 100	TW3-28-15	34.00
	48 (43.2-52.8)	± 5	± 180	TW1.8-48-5	29.00
		± 5	± 300	TW3-48-5	34.00
		± 12	± 75	TW1.8-48-12	29.00
		± 12	± 125	TW3-48-12	34.00
		± 15	± 60	TW1.8-48-15	29.00
		± 15	± 100	TW3-48-15	34.00

**BOTTOM
VIEW**



ALL DIMENSIONS
IN INCHES (MM)

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



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