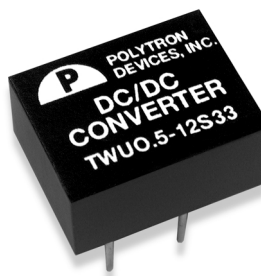


0.5-1.0 WATT SINGLE OUTPUT

Isolated, Miniature DIP Package DC/DC Converters



FEATURES

- **Internal SMD Construction**
- **Miniature DIP Package**
- **1000 Vdc Input/Output Isolation**
- **Low Profile Package (0.50" x 0.40" x 0.25")**

TWU0.5 & TWU1.0 Series

Specifications

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

INPUT

Voltage Range..... $\pm 10\%$, See Table
Input Filter Internal Capacitor

OUTPUT

Voltage Accuracy.....	±5% max
Line Regulation @ FL.....	±10% max
Load Regulation @ FL to 1/4L	
3.3V and 5V Output.....	15% max
9V/12V/15V Output.....	10% max
Ripple Noise (20MHz Bw).....	50mVp-p max
3.3V and 5V Output Type.....	100mVp-p max
9V/12V/15V Output Type.....	1% p-p max
Temperature Coefficient.....	+0.3%/°C max

GENERAL

Isolation Voltage.....	1000 Vdc
Isolation Resistance.....	1000MOhms
Switching Frequency.....	100KHz typ.
Short Circuit Protection.....	Momentary

ENVIRONMENTAL

Operating Temperature Range.....0° to +71°C
Storage Temperature Range.....-40° to +105°C
Cooling.....Free Air Convection
Humidity Non-Condensing.....20 to 95% RH

PHYSICAL

Case Material.....Non-Conductive Black Plastic
Weight.....1.5 grams typ.
Dimensions.....0.50" x 0.40" x 0.25"
.....(12.70 x 10.16 x 6.28 mm)
Lead Temp.....1.5mm from case in 10sec. 105°C

Selection Guide

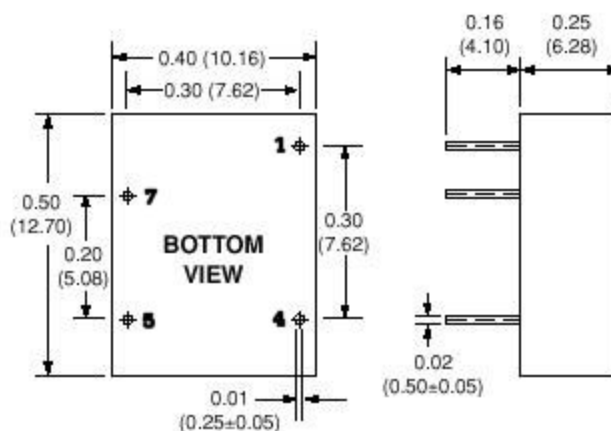
(Continued)

SINGLE VOLTAGE OUTPUT	Input Voltage Nominal (Range) (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Model Number	
	3.3	3.3	154	TWU0.5-3.3S3.3	
		5	200	TWU1-3.3S5	
		9	110	TWU1-3.3S9	
		12	84	TWU1-3.3S12	
		15	67	TWU1-3.3S15	
	5	3.3	154	TWU0.5-5S3.3	
		5	200	TWU1-5S5	
		9	110	TWU1-5S9	
		12	84	TWU1-5S12	
		15	67	TWU1-5S15	
	12	3.3	154	TWU0.5-12S3.3	
		5	200	TWU1-12S5	
		9	110	TWU1-12S9	
		12	84	TWU1-12S12	
		15	67	TWU1-12S15	
	24	3.3	154	TWU0.5-24S3.3	
		5	200	TWU1-24S5	
		9	110	TWU1-24S9	
		12	84	TWU1-24S12	
		15	67	TWU1-24S15	

Mechanical Specifications

I/O Connections

Pin	SINGLE
1	-Vin
4	+Vin
5	+Vout
7	-Vout



All Dimensions are in inches (mm)



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