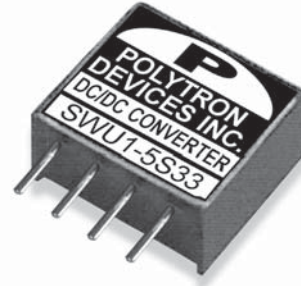




# 1 WATT SINGLE OUTPUT

Isolated, Single-Inline Package  
DC/DC Converters



## FEATURES

- **Miniature Single-Inline Package (SIP)**
- **High Efficiency (70-75%)**
- **High Isolation Voltage**
- **Low Cost**
- **UL 94V-0 Package Material**

SWU0.5 & SWU1 Series

## Specifications

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

### INPUT

Input Voltages.....	Voltage Range
3.3 Vdc.....	2.97-3.63 Vdc
5 Vdc.....	4.5-5.5 Vdc
12 Vdc.....	10.8-13.2 Vdc
24 Vdc.....	21.6-26.4 Vdc
48 Vdc.....	43.2-52.8 Vdc

### OUTPUT

Voltage Accuracy.....	±5%
Line Regulation (10%to 100% FL).....	±1.2%/1% of Vin
Load Regulation (10%-100% FL)	
3.3 and 5V Output.....	15% max
9, 12 and 15V Output.....	10% max
Ripple and Noise (20MHz Bw).....	150mV p-p

### GENERAL

Efficiency.....	70-75% Typical, See Chart
Isolation Voltage.....	1000 Vdc
Isolation Resistance.....	1000MOhms
Switching Frequency.....	100KHz

### ENVIRONMENTAL

Operating Temperature Range.....	0° to +71°C
Storage Temperature Range.....	-55° to +130°C
Cooling.....	Free Air Convection

### PHYSICAL

Case Material.....	Non-Conductive Black Plastic
Dimensions.....	0.46" x 0.40" x 0.24"
	(11.50 x 10.00 x 6.00 mm)

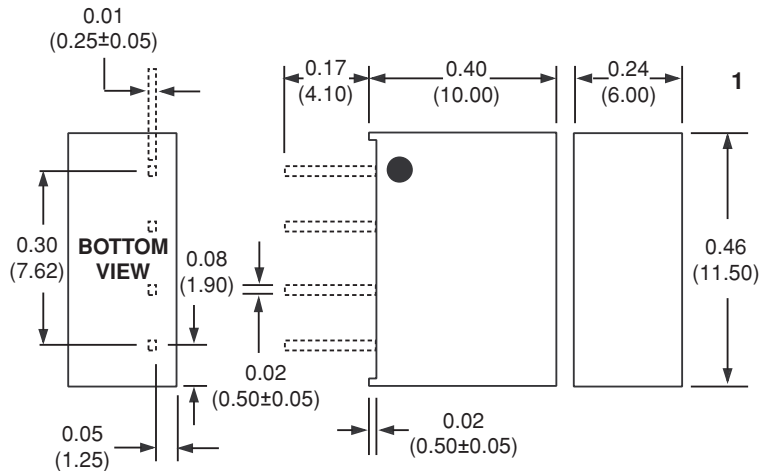
Selection Guide

(Continued)

SINGLE OUTPUT VOLTAGE	Input Voltage Nominal (Vdc)	Output Voltage (Vdc)	Output Current (mA, Max)	Efficiency %	Model Number	Package
	3.3	3.3	154	70	SWU0.5-33S33	SIP
		5	200	70	SWU1-33S5	SIP
		9	110	75	SWU1-33S9	SIP
		12	84	75	SWU1-33S12	SIP
		15	67	75	SWU1-33S15	SIP
	5	3.3	154	70	SWU0.5-5S33	SIP
		5	200	70	SWU1-5S5	SIP
		9	110	75	SWU1-5S9	SIP
		12	84	75	SWU1-5S12	SIP
15		67	75	SWU1-5S15	SIP	
12	3.3	154	70	SWU0.5-12S33	SIP	
	5	200	70	SWU1-12S5	SIP	
	9	110	75	SWU1-12S9	SIP	
	12	84	75	SWU1-12S12	SIP	
	15	67	75	SWU1-12S15	SIP	
24	3.3	150	70	SWU0.5-24S33	SIP	
	5	100	70	SWU1-24S5	SIP	
	9	56	75	SWU1-24S9	SIP	
	12	42	75	SWU1-24S12	SIP	
	15	34	75	SWU1-24S15	SIP	
48	3.3	150	70	SWU0.5-48S33	SIP	
	5	100	70	SWU1-48S5	SIP	
	9	56	75	SWU1-48S9	SIP	
	12	42	75	SWU1-48S12	SIP	
	15	34	75	SWU1-48S15	SIP	

Mechanical Specifications

I/O Connections	
Pin	SINGLE
1	-Vin
2	+Vin
3	-Vout
4	+Vout



All Dimensions are in inches (mm)



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