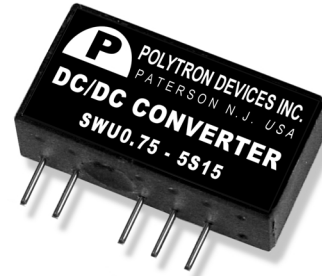




# 0.75 WATT SINGLE & DUAL OUTPUT

Isolated, Single-Inline Package  
DC/DC Converters



## FEATURES

- **Miniature Single-Inline Package (SIP)**
- **High Efficiency**
- **500 Vdc input/Output Isolation (1000 Vdc Optional)**
- **Single & Dual Output**
- **Low Cost**

SWU0.75 Series

## Specifications

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

### INPUT

Input Voltages.....	Voltage Range
5 Vdc.....	4.5-5.5 Vdc
12 Vdc.....	10.8-13.2 Vdc
15 Vdc.....	13.5-16.5 Vdc
24 Vdc.....	21.6-26.4 Vdc

### OUTPUT

Voltage Accuracy.....	±5%
Line Regulation.....	-1%/1% of Vin
Load Regulation.....	(5V)10% (All other models)3%
Ripple Noise (20MHz Bw).....	50mVp-p
Temperature Coefficient.....	0.1%/°C
Short Circuit Protection.....	1 sec. max
Noise.....	75mVp-p max, 50mV rms max

### GENERAL

Efficiency.....	70-80% Typical, See Chart
Isolation Voltage.....	750 Vdc
Isolation Resistance.....	1000 MOhms
Switching Frequency.....	100KHz

### ENVIRONMENTAL

Operating Temperature Range.....	-25° to +71°C
Storage Temperature Range.....	-55° to +105°C
Cooling.....	Free Air Convection

### PHYSICAL

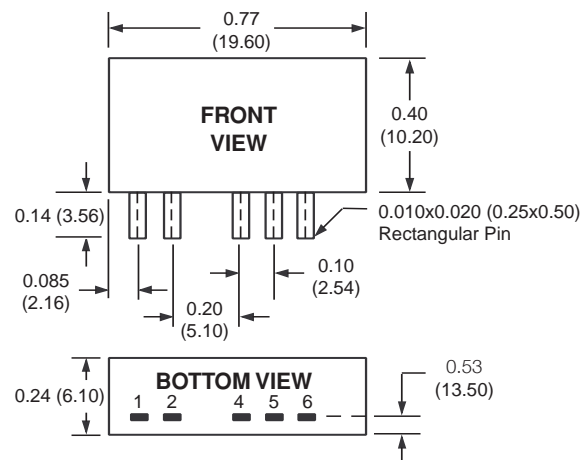
Case Material.....	Non-Conductive Black Plastic
Dimensions.....	0.77" x 0.24" x 0.40" (19.6 x 6.10 x 10.20 mm)

**Selection Guide**

	Input Voltage Nominal(Range) (Vdc)	Output Voltage (Vdc)	Output Current (mA, Max)	Efficiency	Model Number	Package
<b>SINGLE OUTPUT VOLTAGE</b>	5(4.5-5.5)	5	150	69	SWU0.75-5S5	SIP
		12	62	74	SWU0.75-5S12	SIP
		15	50	75	SWU0.75-5S15	SIP
	12(10.8-13.2)	5	150	69	SWU0.75-12S5	SIP
		12	62	77	SWU0.75-12S12	SIP
		15	50	78	SWU0.75-12S15	SIP
	15(13.5-16.5)	5	150	69	SWU0.75-15S5	SIP
		12	62	77	SWU0.75-15S12	SIP
		15	50	78	SWU0.75-15S15	SIP
	24(21.6-26.4)	5	150	70	SWU0.75-24S5	SIP
		12	62	75	SWU0.75-24S12	SIP
		15	50	76	SWU0.75-24S15	SIP
<b>DUAL OUTPUT VOLTAGE</b>	5(4.5-5.5)	±5	±75	70	SWU0.75-5-5	SIP
		±12	±30	78	SWU0.75-5-12	SIP
		±15	±25	79	SWU0.75-5-15	SIP
	12(10.8-13.2)	±5	±75	72	SWU0.75-12-5	SIP
		±12	±30	80	SWU0.75-12-12	SIP
		±15	±25	80	SWU0.75-12-15	SIP
	15(13.5-16.5)	±5	±75	72	SWU0.75-15-5	SIP
		±12	±30	80	SWU0.75-15-12	SIP
		±15	±25	80	SWU0.75-15-15	SIP
	24(21.6-26.4)	±5	±75	76	SWU0.75-24-5	SIP
		±12	±30	78	SWU0.75-24-12	SIP
		±15	±25	79	SWU0.75-24-15	SIP

**Mechanical Specifications**

I/O Connections		
Pin	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
4	-Vout	-Vout
5	NC	Common
6	+Vout	+Vout



All Dimensions are in inches (mm)



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