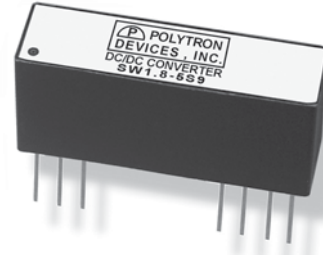




# 1-2 WATT SINGLE & DUAL OUTPUT

Isolated, Single-Inline Package  
DC/DC Converters



## FEATURES

- Miniature Single-Inline Package (SIP)
- Tight Regulation
- 500 Vdc Input/Output Isolation
- Single & Dual Output
- Low Cost

SW1.8 Series

## Specifications

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

### INPUT

Input Voltages.....	Voltage Range $\pm 10\%$
5 Vdc.....	4.5-5.5 Vdc
12 Vdc.....	10.8-13.2 Vdc
24 Vdc.....	21.6-26.4 Vdc

### OUTPUT

Voltage Stability.....	$\pm 0.5\%$ max.
Voltage Accuracy.....	$\pm 5\%$
Line Regulation.....	$\pm 1\%$ max.
Load Regulation.....	$\pm 1\%$ max.
Ripple Noise (20MHz Bw).....	0.5-1% P-P max.

### GENERAL

Efficiency.....	55% min.
Isolation Voltage.....	500Vdc

### 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.....	1.25" x 0.34" x 0.57"
	(31.8 x 8.63 x 14.5 mm)

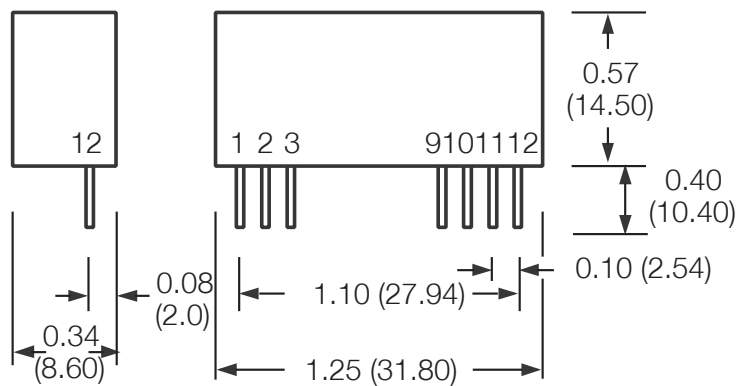
Selection Guide

(Continued)

	Input Voltage Nominal (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Input Current (mA)		Model Number	Package	Price (1-9 Qty)
				No Load	Full Load			
SINGLE OUTPUT VOLTAGE	5	5	200	60	402	SW1.8-5S5	SP	
		9	200	65	580	SW1.8-5S9	SP	
		12	125	60	487	SW1.8-5S12	SP	
		15	100	60	485	SW1.8-5S15	SP	
	12	5	200	20	160	SW1.8-12S5	SP	
		9	200	20	240	SW1.8-12S9	SP	
		12	125	18	192	SW1.8-12S12	SP	
		15	100	35	200	SW1.8-12S15	SP	
	24	5	200	10	75	SW1.8-24S5	SP	
		12	125	20	105	SW1.8-24S12	SP	
		15	100	20	105	SW1.8-24S15	SP	
	DUAL OUTPUT	5	±12	±60	60	490	SW1.8-5-12	SP
±15			±50	45	520	SW1.8-5-15	SP	
12		±12	±60	35	210	SW1.8-12-12	SP	
		±15	±50	35	215	SW1.8-12-15	SP	
24		±12	±60	20	105	SW1.8-24-12	SP	
		±15	±50	20	105	SW1.8-24-15	SP	

Mechanical Specifications

I/O Connections		
Pin	SINGLE	DUAL
1	+Vin	+Vin
2	NC	-Vout
3	NC	Common
9	NC	NC
10	-Vout	Common
11	+Vout	+Vout
12	-Vin	-Vin



All Dimensions are in inches (mm)



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