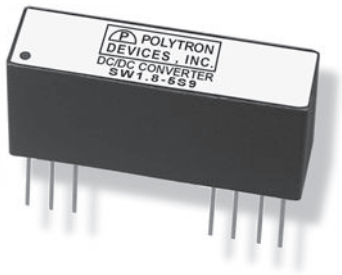
1-2 WATT
SINGLE & DUAL OUTPUT

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 ±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.....±0.5% max.
Voltage Accuracy.....±5%
Line Regulation.....±1% max.
Load Regulationt..... ±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)

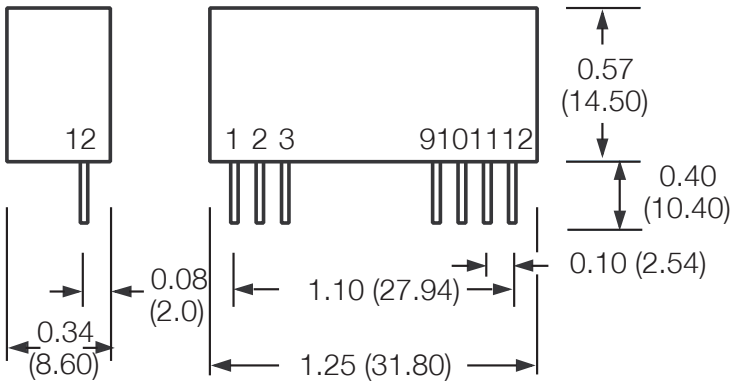
European Stocking Distributor
Phone: +41 44 730 33 53
Email: sales@hvps-condatas.com / www.hvps-condatas.com
Rietbachstrasse 7, 8952 Schlieren (ZH), Switzerland

Selection Guide (Continued)

	Input Voltage Nominal (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Input Current (mA) No Load	Input Current (mA) Full Load	Model Number	Package	Price (1-9 Qty)
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)