

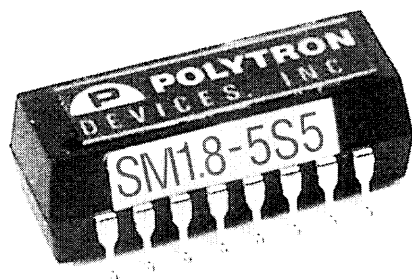
NEW DC/DC Converters

SURFACE MOUNT PACKAGE

1.8 Watt

FEATURES:

- Transfer Molded Type
- 16-Pin SMD Package
- 500 Vdc Input/Output Isolation
- Low Profile
- Compact Size



SPECIFICATIONS

INPUT

Input Voltage Range:.....	±5%
Input Filter:.....	Internal Capacitor

OUTPUT

Voltage Accuracy.....	±5% Max
Line Regulation (@FL).....	±5% Max
Load Regulation (@FL to 1/4 L).....	±10% Max
Temperature Coefficient.....	±0.05%/°C Max
Ripple and Noise (@ 20 MHz BW).....	1% p-p Max
Short Circuit Protection.....	Momentary

GENERAL

Isolation Voltage.....	500Vdc
Efficiency.....	75% Typ.
Switching Frequency.....	25 KHz Typ.
Isolation Resistance.....	1000M Ohm

ENVIRONMENTAL

Operating Temperature.....	-25° C to +71° C
Storage Temperature.....	-40° C to +105° C
Cooling.....	Free Air Convection
Humidity Non Condensing.....	20%-95% RH

PHYSICAL

Case Material.....	Non-conductive Plastic Case
Dimensions.....	1.00x0.54x0.37 inches (25.4x13.72x9.40 mm)
Weight.....	14 grams typical

PIN#	FUNCTIONS
1	-INPUT
3	+INPUT
7	+OUTPUT
8	-OUTPUT

\$23.00

Figure 1: Dimensions of the test facility. The diagram shows a top-down view of a test facility with various dimensions in meters and feet. Key dimensions include: a total length of 17.78 m (0.700), a distance of 2.54 m (0.100) between the first and last of eight square markers, a distance of 1.02 m (0.040) between two vertical lines, a distance of 2.54 m (0.100) between a vertical line and a horizontal line, a distance of 13.72 m (0.540) between a horizontal line and a vertical line, a distance of 9.40 m (0.370) between a vertical line and a horizontal line, a distance of 8.89 m (0.350) between two vertical lines, a distance of 12.70 m (0.500) between two vertical lines, and a distance of 0.10 m between two vertical lines. A 'Suggested Footprint' is indicated for a vehicle with a width of 1.02 m (0.040) and a height of 0.80 m. A scale bar labeled '16 SURFACES' is shown.

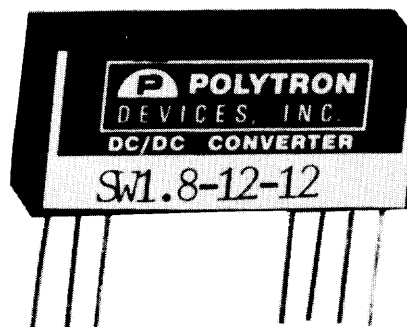
Regulated DC/DC Converters

Single-Inline Package (SIP)

1-2 Watt

FEATURES:

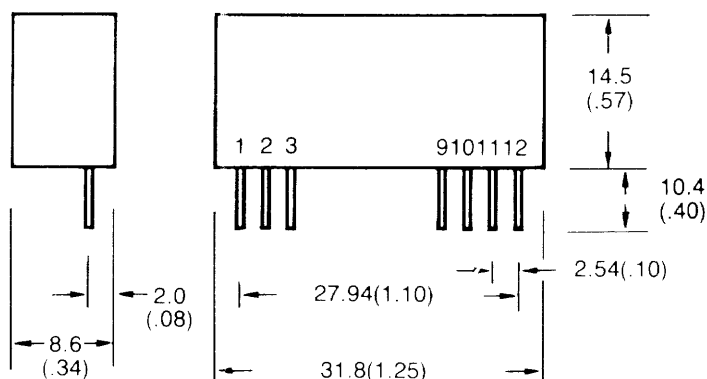
- MINIATURE SINGLE-INLINE PACKAGE (SIP)
- TIGHT REGULATION
- 500 VDC INPUT/OUTPUT ISOLATION
- SINGLE & DUAL OUTPUT
- LOW COST



SPECIFICATIONS:

- Input Voltage $\pm 10\%$
- Output Voltage Stability $\pm 1\%$ Max.
- Output Voltage Accuracy $\pm 0.05\%$ Max.
- Regulation $\pm 1\%$ Max.
- Line $\pm 1\%$ Max.
- Load $\pm 1\%$ Max.
- Ripple and Noise (20MHzBW) 0.5-1% P-P Max.
- Input-Output Isolation 500 Vdc
- Operating Temperature -25°C to $+71^{\circ}\text{C}$
- Storage Temperature -55°C to $+105^{\circ}\text{C}$
- Efficiency 55% Min.

	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	INPUT CURRENT		MODEL NUMBER	CASE	PRICE 1-9 QTY.
				NO LOAD	FULL LOAD			
SINGLE VOLTAGE UNITS	5	5	200	60	402	SW1.8-5S5	SP	\$23.00
		9	200	65	580	SW1.8-5S9	SP	\$23.00
		12	125	60	487	SW1.8-5S12	SP	\$23.00
		15	100	60	485	SW1.8-5S15	SP	\$23.00
	12	5	200	20	160	SW1.8-12S5	SP	\$23.00
		9	200	20	240	SW1.8-12S9	SP	\$23.00
		12	125	18	192	SW1.8-12S12	SP	\$23.00
		15	100	35	200	SW1.8-12S15	SP	\$23.00
	24	5	200	10	75	SW1.8-24S5	SP	\$23.00
		12	125	20	105	SW1.8-24S12	SP	\$23.00
		15	100	20	105	SW1.8-24S15	SP	\$23.00
DUAL VOLTAGE UNITS	5	± 12	± 60	60	490	SW1.8-5-12	SP	\$29.00
		± 15	± 50	45	520	SW1.8-5-15	SP	\$29.00
	12	± 12	± 60	35	210	SW1.8-12-12	SP	\$29.00
		± 15	± 50	35	215	SW1.8-12-15	SP	\$29.00
	24	± 12	± 60	20	105	SW1.8-24-12	SP	\$29.00
		± 15	± 50	20	105	SW1.8-24-15	SP	\$29.00



Pin Connections		
Pin	Single	Dual
1	+Input	+Input
2	NC	-Output
3	NC	Common
9	NC	NC
10	-Output	Common
11	+Output	+Output
12	-Input	-Input