



**Premier
Magnetics Inc.**

"INNOVATORS IN MAGNETICS TECHNOLOGY"

FEATURES

- ① 2 Watt Output
- ② Up to 80% Efficiency
- ③ Momentary Short Circuit Protection
- ④ 6-Pin SIP Package

GENERAL SPECIFICATIONS

- Efficiency 70% Typ.
- Switching Frequency 50KHz min.
- Isolation Voltage 1000Vdc min.
- Operating Temperature 0 to +70°C

2.00 WATT SIP DC/DC CONVERTERS 1000Vdc ISOLATION

INPUT SPECIFICATIONS

- Voltage Per Table Vdc
- Voltage Range ±10%
- Input Filter Cap

OUTPUT SPECIFICATIONS

- Voltage Per Table
- Voltage Accuracy ±5%
- Ripple & Noise 20MHz BW 150mV p-p
- Line Regulation..... 1.2%/1% of Vin
- Load Regulation ±10%

ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO 70°C

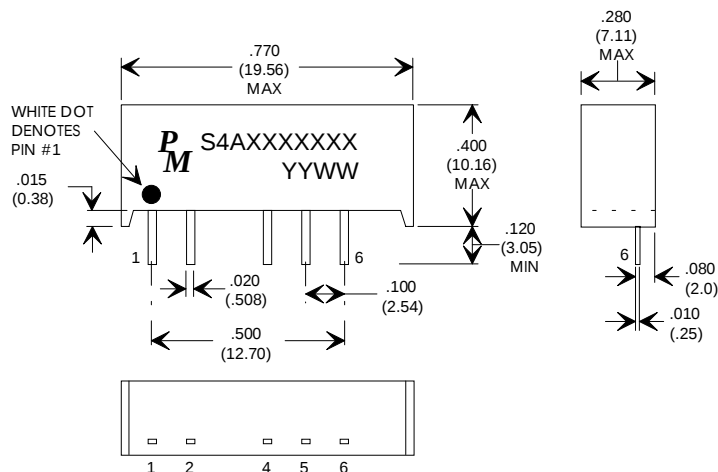
PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
S4AD050520	5	+ 5	+ 200
S4AS050922	5	9	220
S4AD051208	5	+ 12	+ 85
S4AD051506	5	+ 15	+ 65
S4AD120520	12	+ 5	+ 200
S4AD121208	12	+ 12	+ 85
S4AD121506	12	+ 15	+ 65

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
S4AD240520	24	+ 5	+ 200
S4AD241208	24	+ 12	+ 85
S4AD241506	24	+ 15	+ 65
S4AS241512	24	15 +	130

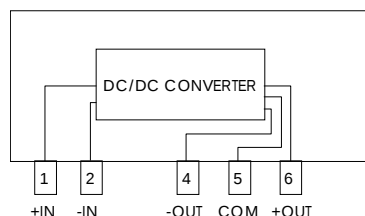
"S4" PACKAGE

SCHEMATIC

PHYSICAL DIMENSIONS DIMENSIONS IN mm (inches)



SCHEMATIC DIAGRAM



PIN NUMBER	DUAL OUTPUT	SINGLE OUTPUT
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	OMITTED	OMITTED
4	-Vout	N.C.
5	0 Vout	-Vout
6	+Vout	+Vout

Specifications subject to change without notice.

s4ax 10/97

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