1-2 Watts
AA01D

Total Power:	**1-2 Watts**
Input Voltages:	**5V, 12V, or 24V**
No. of Outputs:	**Single, Dual**



Special Features

- 1 Year warranty
- 1.25" x 0.34" x 0.57" Case size
- 500Vdc Isolation
- -25°C to +71°C operating temperature

Environmental

Operating ambient temperature:
-25°C to +71°C (full load, no derating)

Storage temperature: -55°C to +105°C

Humidity: 5% to 95% (non-condensing)

Cooling method: Convection

MTBF: >1,000,000 hours
(MIL-HDBK-217F)

Electrical Specs

Input

Input range	4.5 - 5.5 Vdc; 10.8 - 13.2 Vdc; 21.6 - 26.4 Vdc
Input reverse voltage protection	Fuse recommended
Input filter	Capacitor
Efficiency	50-70% typ

Output

Voltage tolerance	Output 1 and 2 - ±3.0%
Line regulation	Output 1 and 2 - ± 1.0%
Load regulation	5V Output Models ±1.0%
Noise/ripple	1% mV P-P (see note1)
Short circuit protection	10 Second Duration
Transient response	250 usec max (50% load change to within 1% VO Nom)
Switching frequency	25kHz typ
Temperature coefficient	± 0.02%/° C

Isolation

I/O isolation	500Vdc
Isolation resistance	1 x 109 ohms

AMERICAS

5810 Van Allen Way
Carlsbad, CA 92008
Telephone: 760-930-4600
Facsimile: 760-930-0698

EUROPE

Astec House, Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX, UK
Telephone: 44 (1384) 842-211
Facsimile: 44 (1384) 843-355

ASIA

Units 2111-2116, Level 21
Tower1, Metroplaza
223, Hing Fong Road
Fwai Fong, New Territories
Hong Kong
Telephone: 852-2437-9662
Facsimile: 852-2402-4426

Ordering Information

Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power	Model Number
4.5-5.5Vdc	5V @ 0.200A		1W	AA01D-005L-050S
4.5-5.5Vdc	9V @ 0.200A		1.8W	AA01D-005L-090S
4.5-5.5Vdc	12V @ 0.125A		1.5W	AA01D-005L-120S
4.5-5.5Vdc	15V @ 0.100A		1.5W	AA01D-005L-150S
4.5-5.5Vdc	+12V @ 0.060A	-12V @ 0.060A	1.44W	AA01D-005L-120D
4.5-5.5Vdc	+15V @ 0.050A	-15V @ 0.050A	1.5W	AA01D-005L-150D
10.8-13.2Vdc	5V @ 0.200A		1W	AA01D-012L-050S
10.8-13.2Vdc	9V @ 0.200A		1.8W	AA01D-012L-090S
10.8-13.2Vdc	12V @ 0.125A		1.5W	AA01D-012L-120S
10.8-13.2Vdc	15V @ 0.100A		1.5W	AA01D-012L-150S
10.8-13.2Vdc	+12V @ 0.060A	-12V @ 0.060A	1.44W	AA01D-012L-120D
10.8-13.2Vdc	+15V @ 0.050A	-15V @ 0.050A	1.5W	AA01D-012L-150D
21.6-26.4Vdc	5V @ 0.200A		1W	AA01D-024L-050S
21.6-26.4Vdc	9V @ 0.200A		1.8W	AA01D-024L-090S
21.6-26.4Vdc	12V @ 0.125A		1.5W	AA01D-024L-120S
21.6-26.4Vdc	15V @ 0.100A		1.5W	AA01D-024L-150S
21.6-26.4Vdc	+12V @ 0.060A	-12V @ 0.060A	1.44W	AA01D-024L-120D
21.6-26.4Vdc	+15V @ 0.050A	-15V @ 0.050A	1.5W	AA01D-024L-150D

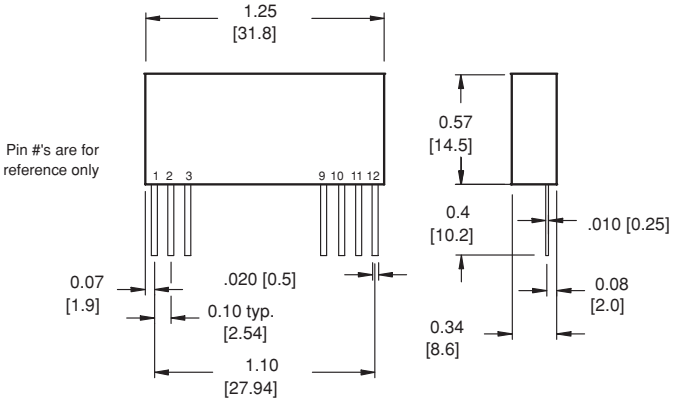
Pin Assignments

Single Output

1.	+Vin
2.	N/C
3.	N/C
9.	N/C
10.	-Vout
11.	+Vout
12.	-Vin

Dual Output

1.	+Vin
2.	-Vout
3.	Com
9.	N\C
10.	Com
11.	+Vout
12.	-Vin



Notes:

1. 20 MHz bandwidth. An external 0.1uf ceramic capacitor is recommended to be placed from +V out to -V out.
2. All specifications are typical at nominal line, full load, and 25 ° C unless otherwise noted.
3. All specifications subject to change without notice. Mechanical drawings are for reference only.
4. Warranty: 1 yr

Case Material: Plastic
Weight: 0.3Oz/8Grams