



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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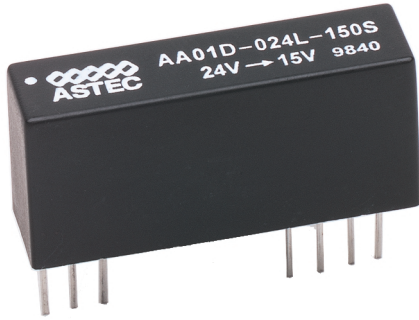
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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 note 1)
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 10 ⁹ ohms

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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

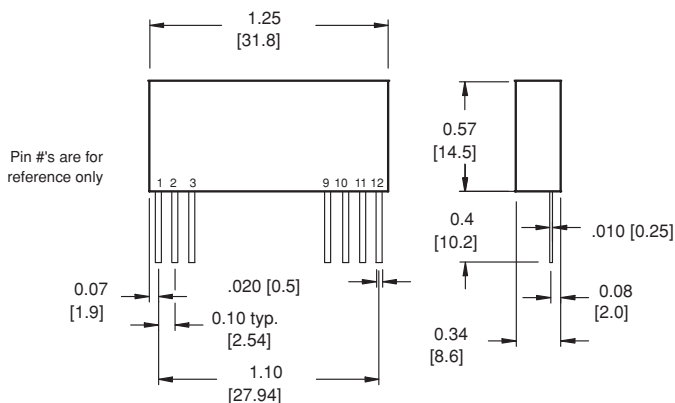
Pin Assignments

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:

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

Case Material: Plastic
 Weight: 0.30z/8Grams