



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!



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## ASA 6W-M Series

6 Watts

### Data Sheet

**Total Power:** 6 Watts  
**Input Voltage:** 12 V, 24 V or 48 V  
**# of Outputs:** Single, Dual

### SPECIAL FEATURES

- 4000 Vac reinforced insulation
- Medical safety to UL/cUL/EN/IEC 60601-1 3rd Edition
- 2 MOOP rated
- Wide 2:1 input voltage range
- Fully regulated output voltage
- Low leakage current
- Operating temperature range -40 °C to +75 °C (with derating)
- Input filter meets EN 55022, class A and FCC, level A
- Overload protection
- 1.25" x 0.8" package
- RoHS compliant
- Three-year product warranty

### SAFETY

- cUL/UL60950-1, CSA C22.2 No. 60950-1-03
- UL60601-1, CSA C22.2 No.601-1
- IEC/EN 60950-1, IEC/EN 60601-1 3rd Edition, 2 MOOP
- cUL/UL60950-1 certificate
- UL60601-1 UL certificate



### Electrical Specifications

Input	
Input range	9 - 18 Vdc; 18 - 36 Vdc; 36 - 75 Vdc
Efficiency	80%
Output	
Voltage tolerance	±1.0%
Line regulation	±0.5%
Load regulation	1.0%
Noise/ripple	180 mV
OCP and S/C protection	Foldback, auto-cover
Switching frequency	150 KHz
Temperature coefficient	±0.05 /°C
Isolation	
I/O isolation	4000 Vac rms
Insulation resistance	10 Gohm
Insulation capacitance	13 pF

### Environmental Specifications

Operating ambient temperature range	-40 °C to +75 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	1,000,000 hours

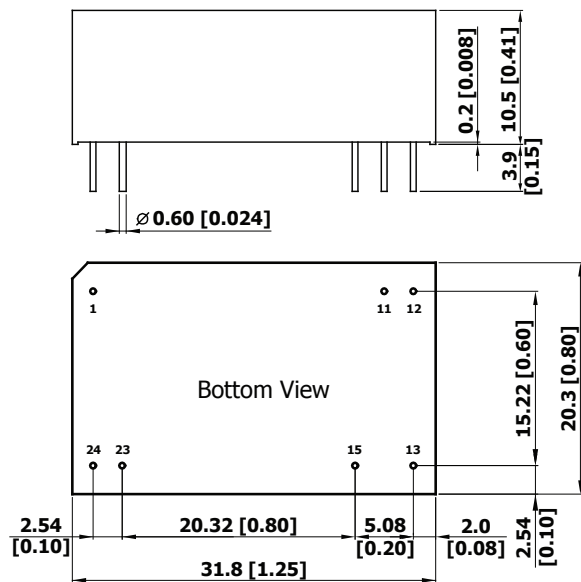


## Ordering Information

Model Number	Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power
ASA01A12-M	9 - 18 V	5 V @ 1 A		5 W
ASA01B12-M	9 - 18 V	12 V @ 0.5 A		6 W
ASA01BB12-M	9 - 18 V	12 V @ 0.25 A	-12 V @ 0.25 A	6 W
ASA01CC12-M	9 - 18 V	15 V @ 0.2 A	-15 V @ 0.2 A	6 W
ASA01A24-M	18 - 36 V	5 V @ 1 A		5 W
ASA01B24-M	18 - 36 V	12 V @ 0.5 A		6 W
ASA01BB24-M	18 - 36 V	12 V @ 0.25 A	-12 V @ 0.25 A	6 W
ASA01CC24-M	18 - 36 V	15 V @ 0.2 A	-15 V @ 0.2 A	6 W
ASA01A48-M	36 - 75 V	5 V @ 1 A		5 W
ASA01B48-M	36 - 75 V	12 V @ 0.5 A		6 W
ASA01BB48-M	36 - 75 V	12 V @ 0.25 A	-12 V @ 0.25 A	6 W
ASA01CC48-M	36 - 75V	15 V @ 0.2 A	-15 V @ 0.2 A	6 W

Please contact Artesyn Embedded Technologies for information on other output voltages, power ranges and configurations.

## Mechanical Drawing



All dimensions in mm (inches)  
Tolerance: X.X±0.25 (X.XX±0.01)  
X.XX±0.13 (X.XXX±0.005)  
Pin pitch tolerance: ±0.25 (±0.01)  
Pin dimension tolerance: ±0.1 (±0.004)

### Physical Characteristics

Case Size	31.8 x 20.3 x 12 mm (1.25 x 0.8 x 0.47 inches)
Case Material	Non-Conductive Black Plastic (flammability to UL 94V-0 rated)
Weight	18 g

### Pin Connectors

Pin Number	Single Output	Dual Output
1	+Vin	+Vin
11	No Pin	Common
12	-Vout	No Pin
13	+Vout	-Vout
15	No Pin	+Vout
23	-Vin	-Vin
24	-Vin	-Vin

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