

## 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

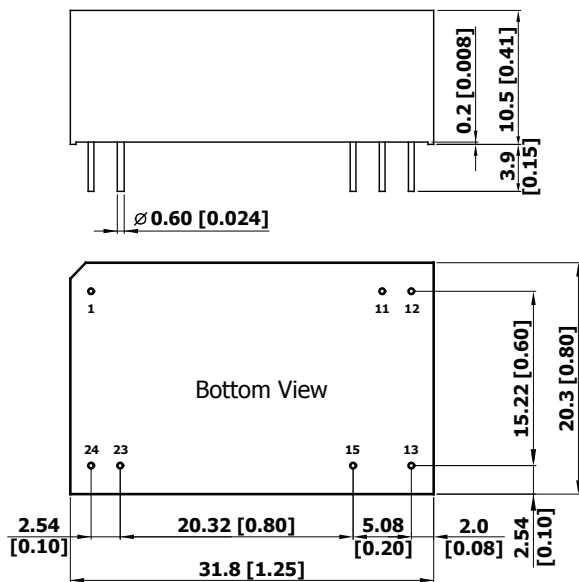
Operating ambient temperature range	-40 °C to +75 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	1,000,000 hours

### 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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