ASD03 DC/DC Converters 3w 3 Watt

Isolated and Regulated 5 WATT Modular DC/DC Converters

- Wide 4 : 1 Input Range
- High Efficiency
- Regulated Outputs
- 1500V Isolation
- Full EMI Shielding
- Standard Pinouts

Search:

Model Number	Input Voltage Range	Output Voltage	Output Amps	Load Regulation	Ripple and Noise	MTBF	Efficiency
ASD03-12S3(H orM)*	9-18 VDC	3.3 VDC	0.6Amps	± 0.5% (10% to FL)	3.3V/5V 100mVp-p max.	1,203,000 Hrs.	70%
ASD03-48S3(H orM)*	36-72 VDC	3.3 VDC	0.6Amps	± 0.5% (10% to FL)	3.3V/5V 100mVp-p max.	1,203,000 Hrs.	71%
ASD03-12D5(H or M)*	9-18 VDC	±5 VDC	±0.300Amps	±1% (25% to FL)	3.3V/5V 100mVp-p max.	1,145,000 Hrs.	73%
ASD03-12S5(H or M)*	9-18 VDC	5 VDC	0.6Amps	± 0.5% (10% to FL)	3.3V/5V 100mVp-p max.	1,203,000 Hrs.	73%
ASD03-24S3(H orM)*	18-36 VDC	3.3 VDC	0.6Amps	± 0.5% (10% to FL)	3.3V/5V 100mVp-p max.	1,203,000 Hrs.	73%

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SEARCH

Power Supplies

- ESPM – Environmentally Sealed Power Modules
- 75 Watt Medical Grade Car Adapter
- MegaVerter® Series
- MicroVerter® Series
- Microverter® Triple Series
- Nanoverter® Series
- Picoverter® Series
- SuperVerter® Series
- UniVerter® PFC Series
- Open Frame Power Supplies
- Medical Grade Power Supplies
- Constant Current Power Supplies
- Enclosed Frame Power Supplies
- Encapsulated Power Supplies
- High Density DC/DC Converters
- LED Power Supplies – LED Lighting Drivers
- DIN Rail Mount Power Supplies
- External and Wall Mount Power Adapters
- 12 Volt Output Power Supplies
- Custom Product Request
- High-Reliability / COTS Power Converters
- Alternative Energy Power Supplies
- Accessories
- Data Sheets
- Product Guides

ASD03-24S5(H or M)*	18-36 VDC	5 VDC	0.6Amps	± 0.5% (10% to FL)	3.3V/5V 100mVp-p max.	1,203,000 Hrs.	74%
ASD03-12D15(H or M)*	9-18 VDC	±15 VDC	±0.100Amps	±1% (25% to FL)	12V/15V 1% p-p max.	1,145,000 Hrs.	75%
ASD03-12D12(H or M)*	9-18 VDC	±12 VDC	±0.125Amps	±1% (25% to FL)	12V/15V 1% p-p max.	1,145,000 Hrs.	76%
ASD03-12S15(H or M)*	9-18 VDC	15 VDC	0.200Amps	± 0.5% (10% to FL)	12V/15V 1% p-p max.	1,203,000 Hrs.	76%
ASD03-48D12(H or M)*	36-72 VDC	±12 VDC	±0.125Amps	±1% (25% to FL)	12V/15V 1% p-p max.	1,145,000 Hrs.	76%
ASD03-48D15(H or M)*	36-72 VDC	±15 VDC	±0.100Amps	±1% (25% to FL)	12V/15V 1% p-p max.	1,145,000 Hrs.	76%
ASD03-48D5(H or M)*	36-72 VDC	±5 VDC	±0.300Amps	±1% (25% to FL)	3.3V/5V 100mVp-p max.	1,145,000 Hrs.	76%
ASD03-48S5(H or M)*	36-72 VDC	5 VDC	0.6Amps	± 0.5% (10% to FL)	3.3V/5V 100mVp-p max.	1,203,000 Hrs.	76%
ASD03-48S12(H or M)*	36-72 VDC	12 VDC	0.250Amps	± 0.5% (10% to FL)	12V/15V 1% p-p max.	1,203,000 Hrs.	77%
ASD03-48S15(H or M)*	36-72 VDC	15 VDC	0.200Amps	± 0.5% (10% to FL)	12V/15V 1% p-p max.	1,203,000 Hrs.	77%
ASD03-12S12(H or M)*	9-18 VDC	12 VDC	0.250Amps	± 0.5% (10% to FL)	12V/15V 1% p-p max.	1,203,000 Hrs.	78%
ASD03-24D15(H or M)*	18-36 VDC	±15 VDC	±0.100Amps	±1% (25% to FL)	12V/15V 1% p-p max.	1,145,000 Hrs.	78%
ASD03-24D12(H or M)*	18-36 VDC	±12 VDC	±0.125Amps	±1% (25% to FL)	12V/15V 1% p-p max.	1,145,000 Hrs.	80%
ASD03-24S12(H or M)*	18-36 VDC	12 VDC	0.250Amps	± 0.5% (10% to FL)	12V/15V 1% p-p max.	1,203,000 Hrs.	80%

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ASD05 series

Input Specifications

Input Voltage Range	9-36VDC
Input Surge Voltage	50V 10 mS duration, min.
Input Reflected Ripple Current	150mV

Environmental Specifications

Operating Temperature	-25 to +71°C(FL)
Maximum Case Temperature	110°C
Storage Temperature	-40 to +125°C
EMI	Full EMI Shielding
MTBF	1,000,000 Hrs Mil Std 217, 25°C

Physical Specifications

Size (mm)	25.4 x 50.80 x 13.15
Size (Inches)	1 x 2 x 0.52
Case Material	Aluminum
Construction	Fully Encapsulated
Weight (g)	18g
Weight (oz)	0.64 oz

Output Specifications

Output Voltage	3.3 VDC
Output Amps	1.5Amps
Load Regulation	± 0.5%
Line Regulation	± 0.5%
Preset Accuracy	± 1% max.

Ripple and Noise	150mV
Over Voltage Protection	Clamp, 130-150%
Short Circuit Protection	Continuous, self-recovering

General Specifications

Isolation	500 VDC (12V)
Efficiency	82%, typ
Switching Frequency	450Khz

Notes

All Specifications are typical at nominal input, full load, and 25°C unless otherwise noted
Astrodyne products are not authorized or warranteed for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

What's New

Elizabeth, NJ move to Edison is complete!
We have completed the facility move from Elizabeth NJ. You will now find the facility at 300 Columbus Circle ..

New Short Form EMI Filters Brochure
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Edison, NJ Move update 12-22-14
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New Short Form EMI Filters Brochure
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Our new DC Car Charger Provides Superior Isolated Power
New Product: Ultra-low leakage DC car charger at <10 microamps

Ultra Low Leakage Power by our Jerome Brand.
The Jerome Brand of Astrodyne in Elizabeth, NJ specializes in ultra low leakage power supplies for demanding medical applications. All Jerome switchmode products are designed to be useable in a type B or BF medical application, where the power supply provides the sole isolation barrier. Please note, that in the following table where the power supply leakage current is referred to as "Output", the 60601-1 document refers to this as "Patient" .

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