



Power Supplies & UPS

DC/DC Single Output Power Converters

Detailed product specifications are available on: us.100y.com.tw



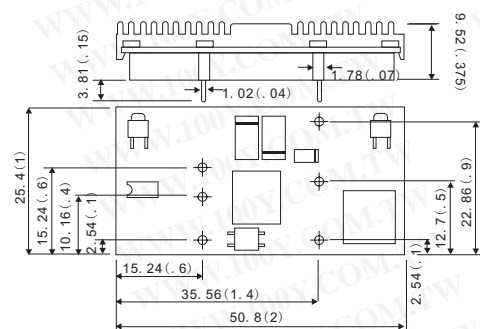
- RATING : 2A 12V DC
- OUTPUT : 1.5/3/4.5/6/7.5/9/12V DC
- MATERIAL: Housing : ABS (UL flame: 94-HB 105 C).
Top contact : nickel plated metal.
Spring contact : nickel plated spring steel.
- Universal DC to DC power adapter with 200cm wire and 4 pc angle adapter plugs.
- Angle adapter plug size: Type B: O.D.=5.5 I.D.=2.5 Type P: O.D.=3.4 I.D.=1.3
Type A: O.D.=5.5 I.D.=2.1 Type D: O.D.=4.0 I.D.=1.7
- Circuit protect.
- Adjustable polarity adapter plug.
- 0°C ~ 90°C 4 positions adjustable plug.
- For use with 2A fuse.

| Part No. | Product No. | Description | DCVout | DCVin | Current |
|----------|-------------|---|-------------------------|-------|---------|
| 16084 | A13-37A | 7-Segment Single Output Power Converters With 8 Kinds Of Plug For Car | 1.5/3/4.5/6/7.5/9/12VDC | 12VDC | 2A |



- 4 : 1 WIDE INPUT RANGE
- SHORT CIRCUIT PROTECTION
- BUILD IN EMI FILTER
- OVERLOAD, OVER VOLTAGE PROTECTION
- REMOTE ON-OFF CONTROL
- LOW RIPPLE NOISE

Output V. tolerance: $\pm 2\%$ MAX.
 Line regulation: $\pm 1\%$ AT 10%~100% LOAD
 Load regulation: $\pm 1\%$ @ 10%~full load ($\pm 2\%$ for 3.3VDC models)
 Efficiency: 77% (typical)
 Short circuit protection: continuous, auto recovery
 Over voltage protection: clamp, 115%~150%
 Shutdown idle current: 15mA
 I/O isolation voltage: 500VDC for ASD10H-12 series
 1500VDC for ASD10H-48 series
 I/O isolation resistance: 100M Ω (min.) @500VDC
 Working temp., humidity: -25°C~+71°C(60°C TO 71°C, DERATE
 2.5% LOAD/°C), 0%~95% max. heat sink temp. 110°C
 Storage temp., humidity: -40°C~+125°C, 0%~95%
 Safety /EMI: design refer to UL1950, TUV EN60950, N55022 ,
 FCC part15J
 Packing: 0.02kg; 300pcs/7.0kg/0.97CUFT



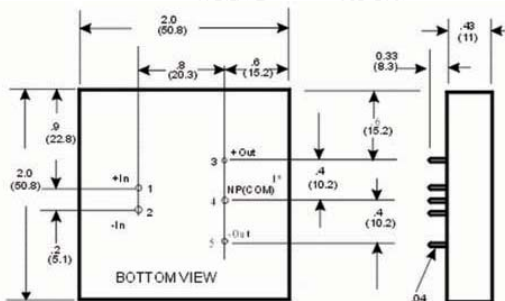
| Pin No. | Output | |
|---------|--------|-------|
| | Single | Dual |
| 1 | +Vin | +Vin |
| 2 | -Vin | -Vin |
| 3 | +Vout | +Vout |
| 4 | N. C. | COM |
| 5 | -Vout | -Vout |
| 6 | R. C | R. C |

| Part No. | Product No. | Manufacturer | Description | DCVout | DCVin | Current | Watts | Efficiency % |
|----------|--------------|--------------|---|--------|---------|---------|-------|--------------|
| 21297 | ASD10H-12S12 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 12V | 9.2-36V | 830mA | 10W | 76% |
| 21298 | ASD10H-12S15 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 15V | 9.2-36V | 670mA | 10W | 76% |
| 18116 | ASD10H-12S3 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 3.3V | 9.2-36V | 2500mA | 10W | 76% |
| 21294 | ASD10H-12S5 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 5V | 9.2-36V | 2000mA | 10W | 76% |
| 21295 | ASD10H-12S9 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 9V | 9.2-36V | 1100mA | 10W | 76% |
| 21300 | ASD10H-48S12 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 12V | 22~72V | 830mA | 10W | 76% |
| 21299 | ASD10H-48S15 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 15V | 22~72V | 670mA | 10W | 76% |
| 21303 | ASD10H-48S3 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 3V | 22~72V | 2500mA | 10W | 76% |
| 21302 | ASD10H-48S5 | MEAN WELL | MEAN WELL_10W DC-DC Regulated Single Output | 5V | 22~72V | 2000mA | 10W | 76% |
| 21301 | ASD10H-48S9 | MEAN WELL | MEAN WELL_10W DC to DC Single Output Power Converters | 9V | 22~72V | 1100mA | 10W | 76% |



- 15 Watts DC/DC Converter
- 2:1 Input Range
- Input Pi Filter
- High Efficiency Up to 83%
- Regulated Output
- Metal Case
- 2" X 2" Package

Input Voltage Range: 12/24/48 VDC, 2:1/4:1 Range, See Table
 Line Regulation: (HL-LL)..... $\pm 0.2\%$ max.
 Efficiency : See Model List
 Short Circuit Protection : Continuous
 Temperature Coefficient : $\pm 0.02\%$ / °C
 I/O Isolation Voltage : 1000VDC min.
 Operating Temperature : -15 To +71°C (No Derating)
 Storage Temperature : -55 To +100°C



| Single out | |
|------------|----------|
| Pin# | Function |
| 1 | +Vi |
| 2 | -Vi |
| 3 | +Vo |
| 4 | N. P |
| 5 | -Vo |

| Dual out | |
|----------|----------|
| Pin# | Function |
| 1 | +Vi |
| 2 | -Vi |
| 3 | +Vo |
| 4 | Comm. |
| 5 | -Vo |

| Part No. | Product No. | Manufacturer | Description | DCVout | DCVin | Current | Watts | Efficiency % |
|----------|-------------|--------------|-----------------------------|--------|---------|---------|-------|--------------|
| 23928 | D15-11A | FranMar | D15 Series DC/DC Converters | 5Vdc | 9-18Vdc | 3000mA | 15W | 77% |



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