



Наличие и актуальные цены на

ASD10H-48S5

<https://www.mean-well.ru/store/ASD10H-48S5/>



■ Features :

- Wide 4:1 DC input range
- In/out capacitance 1000pF
- Protections: Short circuit/Over load/Over voltage
- 500~1500VDC I/O isolation for D/D
- Built-in EMI filter
- Cooling by free air convection
- Built-in remote ON-OFF control
- 100% full load burn-in test
- Fixed switching frequency at 400~450KHz
- Lost cost
- High reliability
- 2 years warranty

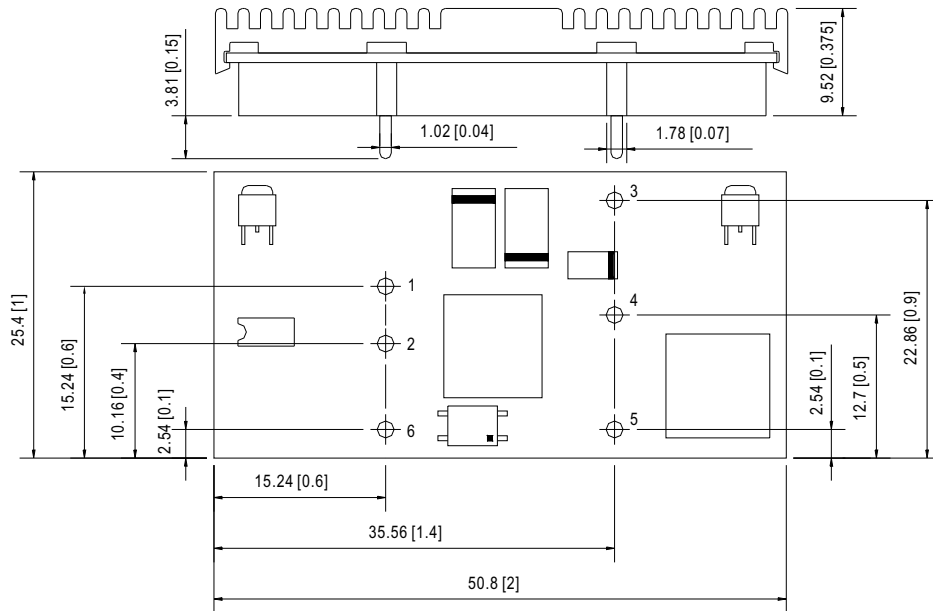


SPECIFICATION

| MODEL | ASD10H-12S3 | ASD10H-12S5 | ASD10H-12S9 | ASD10H-12S12 | ASD10H-12S15 | ASD10H-48S3 | ASD10H-48S5 | ASD10H-48S9 | ASD10H-48S12 | ASD10H-48S15 | |
|------------------------|--|---|-------------|--------------|--------------|--------------|-----------------------------|-------------|--------------|--------------|--------------|
| OUTPUT | DC VOLTAGE | 3.3V | 5V | 9V | 12V | 15V | 3.3V | 5V | 9V | 12V | 15V |
| | RATED CURRENT | 2.5A | 2A | 1.1A | 0.83A | 0.67A | 2.5A | 2A | 1.1A | 0.83A | 0.67A |
| | CURRENT RANGE | 0.12 ~ 2.5A | 0.1 ~ 2A | 0.05 ~ 1.1A | 0.04 ~ 0.83A | 0.03 ~ 0.67A | 0.12 ~ 2.5A | 0.1 ~ 2A | 0.05 ~ 1.1A | 0.04 ~ 0.83A | 0.03 ~ 0.67A |
| | RATED POWER | 8.25W | 10W | 9.9W | 9.96W | 10.05W | 8.25W | 10W | 9.9W | 9.96W | 10.05W |
| | RIPPLE & NOISE (max.) Note.2 | 75mVp-p(10% ~ 100% load) | | | | | | | | | |
| | VOLTAGE TOLERANCE Note.3 | ±2.0% max. | | | | | | | | | |
| | LINE REGULATION | ±1.0% at 10% ~ 100% load | | | | | | | | | |
| LOAD REGULATION Note.4 | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| INPUT | RATED DC INPUT | 12VDC | | | | | 48VDC | | | | |
| | VOLTAGE RANGE | 9.2 ~ 36VDC(50V surge 10ms) | | | | | 22 ~ 72VDC(100V surge 10ms) | | | | |
| | EFFICIENCY (Typ.) | 71% | 72% | 76% | 77% | 77% | 74% | 77% | 78% | 78% | 80% |
| | DC CURRENT | 1.4A/12VDC | | | | | 0.4A/48VDC | | | | |
| | SHUTDOWN IDLE CURRENT | 15mA | | | | | | | | | |
| PROTECTION | OVER LOAD | Above 105% rated output power Protection type : Over power limiting, recovers automatically after fault condition is removed | | | | | | | | | |
| | OVER VOLTAGE(CLAMP) | 3.8 ~ 4.95V | 5.75 ~ 7.5V | 10.4 ~ 13.5V | 13.8 ~ 18V | 17.3 ~ 22.5V | 3.8 ~ 4.95V | 5.75 ~ 7.5V | 10.4 ~ 13.5V | 13.8 ~ 18V | 17.3 ~ 22.5V |
| | SHORT CIRCUIT | Recovers automatically after fault condition is removed | | | | | | | | | |
| FUNCTION | ON/OFF CONTROL | Logic "1" OPEN: ON logic "0" GND: OFF | | | | | | | | | |
| ENVIRONMENT | WORKING TEMP. | -25 ~ +71°C | | | | | | | | | |
| | WORKING HUMIDITY | 0% ~ 95% RH max. Heatsink temp. 110°C | | | | | | | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +125°C, 0 ~ 95% RH | | | | | | | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0~50°C) | | | | | | | | | |
| SAFETY & EMC | SAFETY STANDARDS | Design refer to UL1950, TUV EN60950 | | | | | | | | | |
| | ISOLATION VOLTAGE | I/P-O/P: 0.5KVDC for ASD10H-12S series 1.5KVDC for ASD10H-48S series | | | | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P: 100M Ohms/500VDC | | | | | | | | | |
| | EMI CONDUCTION & RADIATION | Compliance to FCC Part15 J | | | | | | | | | |
| OTHERS | MTBF | 274.4K hrs min. MIL-HDBK-217F (25°C) | | | | | | | | | |
| | DIMENSION | 25.4*50.8*9.52mm (1**2**0.375") (L*W*H) | | | | | | | | | |
| | PACKING | 0.02Kg; 300pcs/7Kg/0.97CUFT | | | | | | | | | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 12,48VDC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Load regulation is measured from 10% to 100% rated load.</p> <p>5. Short circuit not more than 30 second.</p> | | | | | | | | | | |

Mechanical Specification

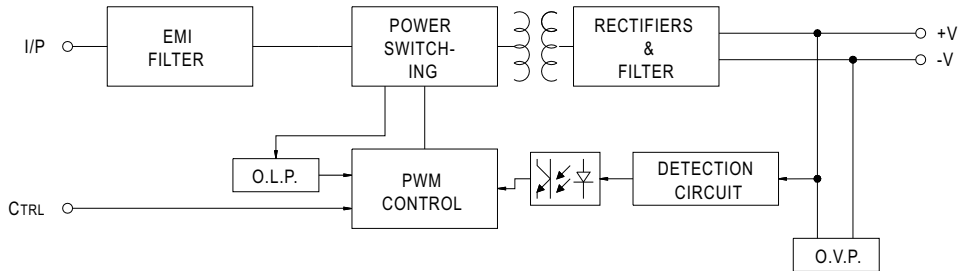
Unit:mm[inch]



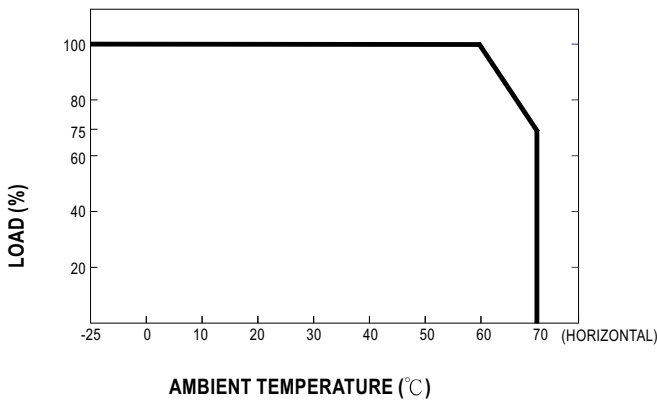
Pin. No Assignment

| Pin No. | Assignment | Pin No. | Assignment |
|---------|-------------|---------|------------|
| 1 | +INPUT | 4 | N/C |
| 2 | -INPUT(GND) | 5 | -OUT |
| 3 | +OUT | 6 | CONTROL |

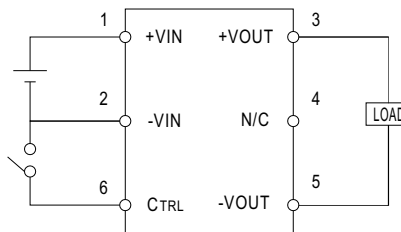
Block Diagram



Derating Curve



ON/OFF Control



CONTROL INPUT.....PIN6
 CONTROL COMMON.....PIN2
 LOGIC COMPATIBILITY.....CMOS OR OPEN COLLECTOR TTL
 CONTROL VOLTAGE
 ON.....+5.5VDC min OR OPEN CIRCUIT
 OFF.....+2.5VDC max. OR SHORT TO PIN2