



# MEAN WELL

SWITCHING POWER SUPPLY  
ISO-9001 CERTIFIED MANUFACTURER

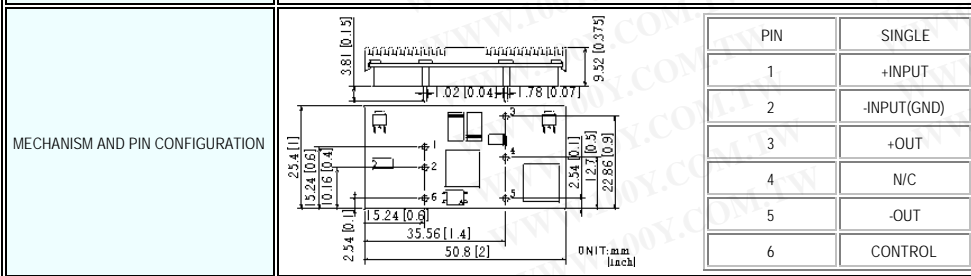
## ASD10H-S SERIES



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

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MODEL	ASD10H-12S3	ASD10H-12S5	ASD10H-12S9	ASD10H-12S12	ASD10H-12S15	ASD10H-48S3	ASD10H-48S5	ASD10H-48S9	ASD10H-48S12	ASD10H-48S15
DC OUTPUT VOLTAGE	3.3V	5V	9V	12V	15V	3.3V	5V	9V	12V	15V
OUTPUT V. TOLERANCE	±2% MAX.									
OUTPUT RATED CURRENT	2.5A	2A	1.1A	0.83A	0.67A	2.5A	2A	1.1A	0.83A	0.67A
OUTPUT 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
RIPPLE & NOISE 10%-Full Load (Vp-p)	75m	75m	75m	75m	75m	75m	75m	75m	75m	75m
DC OUTPUT POWER	8.25W	10W	9.9W	9.96W	10.05W	8.25W	10W	9.9W	9.96W	10.05W
LINE REGULATION	±1% AT 10%-100% LOAD									
LOAD REGULATION	±2%	±1%	±1%	±1%	±1%	±2%	±1%	±1%	±1%	±1%
EFFICIENCY	71%	72%	76%	77%	77%	74%	77%	78%	78%	80%
SWITCHING FREQUENCY	400-450KHz									
RATED DC INPUT	12VDC					48VDC				
INPUT VOLTAGE RANGE	9.2 - 36VDC(50V SURGE 10ms)					22 - 72VDC(100V SURGE 10ms)				
INPUT CURRENT	1.4A/12VDC					0.4A/48VDC				
IN/OUT CAPACITANCE	1000pF									
SHUTDOWN IDLE CURRENT	15mA									
OVERLOAD PROTECTION	ABOVE 105% TYPE:OVER POWER LIMITING RESET:AUTO RECOVERY									
ON/OFF CONTROL	LOGIC "1" OPEN:ON LOGIC "0" GND:OFF									
SHORT CIRCUIT PROTECTION	CONTINUOUS, AUTO RECOVERY									
OVER VOLTAGE PROTECTION	CLAMP, 115%-150%									
TEMP. COEFFICIENT	±0.03% / °C (0-50 °C)									
ISOLATION VOLTAGE	I/P-O/P: 500VDC FOR ASD10H-12S SERIES, 1.5KVDC FOR ASD10H-48S SERIES									
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms									
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%									
DIMENSION	1"x2"x0.375" (25.4x50.8x9.52mm)									
WEIGHT	20gs									
SAFETY /EMI	DESIGN REFER TO UL1950, TUV EN60950, N55022, FCC PART15J									



NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.  
 2.TOLERANCE INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION  
 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.  
 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.  
 5.LOAD REGULATION IS MEASURED FROM 10% TO 100% RATED LOAD.  
 6.SHORT CIRCUIT NOT MORE THAN 30 SECOND.

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