



MEAN WELL

SWITCHING POWER SUPPLY
ISO-9001 CERTIFIED MANUFACTURER

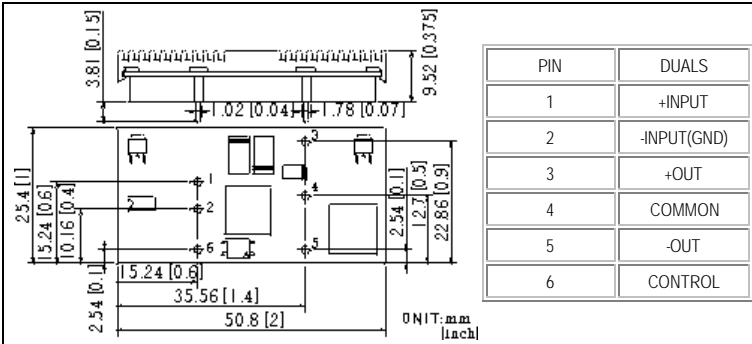
ASD10H-D SERIES

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



SPECIFICATION	ASD10H -12D5		ASD10H -12D12		ASD10H -12D15		ASD10H -48D5		ASD10H -48D12		ASD10H -48D15	
	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
DC OUTPUT VOLTAGE	5V	-5V	12V	-12V	15V	-15V	5V	-5V	12V	-12V	15V	-15V
OUTPUT V. TOLERANCE	±2% MAX.											
OUTPUT RATED CURRENT	1A	1A	0.42A	0.42A	0.33A	0.33A	1A	1A	0.42A	0.42A	0.33A	0.33A
OUTPUT CURRENT RANGE	0.05-1A	0.05-1A	0.02-0.42A	0.02-0.42A	0.016-0.33A	0.016-0.33A	0.05-1A	0.05-1A	0.02-0.42A	0.02-0.42A	0.016-0.33A	0.016-0.33A
RIPPLE & NOISE 10%-Full Load	75mVp-p											
DC OUTPUT POWER	10W											
LINE REGULATION	±1% AT 10%-100% LOAD											
LOAD REGULATION	±1% AT 10%-100% LOAD											
EFFICIENCY	73%		74%		74%		76%		77%		77%	
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. HEATSINK 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											

MECHANISM AND PIN CONFIGURATION



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.