

SPECIFICATION

P/N: N1024UF-12

**24W 12VDC 2.0A Output Power
Universal AC Input**

**High Quality
Open Frame
Switching Power Supply**

*** Specification Approval ***

This specification (total 8 pages including drawings) in its entirety is approved by:

Company Name	Print Name	Signature	Date
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Specification subject to change without prior notice.



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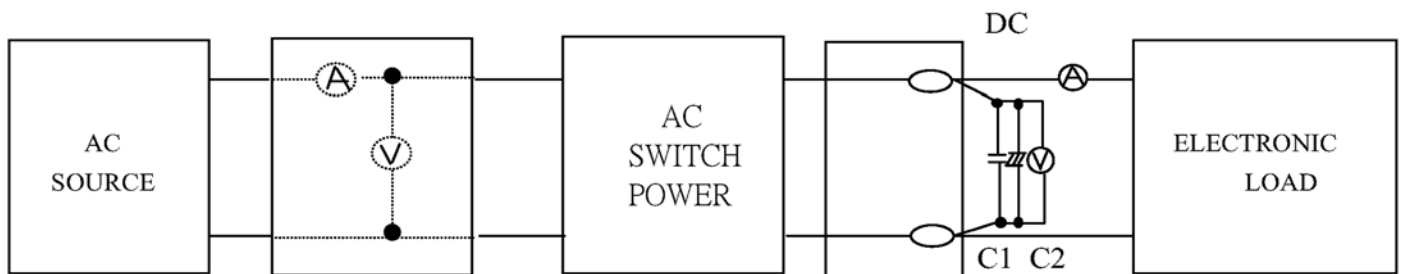
1.INPUT SPECIFICATION

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
AC INPUT VOLTAGE	SINGLE PHASE		100-240Vac	
AC INPUT VOLTAGE RANGE	SINGLE PHASE	90Vac		264Vac
AC INPUT FREQUENCY	SINGLE PHASE	47Hz	50/60Hz	63Hz
AC INPUT CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD.		500mA	600mA
AC INRUSH CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD , 25°C.			50A
EFFICIENCY	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD		80%	
LEAKAGE CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD.			0.25mA

2.OUTPUT SPECIFICATION

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
NOMINAL DC OUTPUT VOLTAGE			12Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE ±5%	11.4V		12.6V
LOAD CURRENT		0.0A		2A
RIPPLE & NOISE	TYPICAL INPUT VOLTAGE , FULL LOAD CURRENT , 25°C			120mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD	10mS		
TURN-ON DELAY	TYPICAL INPUT VOLTAGE AND FULL LOAD CURRENT			2S
OVER CURRENT PROTECTION	AUTO RECOVERY			
SHORT CIRCUIT PROTECTION	THE SWITCH POWER SHALL NOT DAMAGE BY SHORT TO THE DC OUTPUT GROUND			
OVER VOLTAGE PROTECTION				15V

*TEST MEASURES



C1: 0.1µF CERAMICS CAPACITOR

C2: 10µ 50V ALUMINUM CAPACITOR

The bandwidth of Oscilloscope is set with 20MHz

3.MECHANICAL

ITEM	SPECIFICATION OR TEST CONDITION	ACCEPTANCE CRITERIA
VIBRATION	DURATION: 30 MINUTES AMPLITUDE: 0.35mm FREQUENCY RANGE: 10 Hz...55 Hz...10 Hz SWEEP RANGE: APPROXIMATELY 1 OCTAVE / MIN	THERE SHALL BE NO ABNORMALITY ON THE APPEARANCE STRUCTURE AND OPERATING

4.RELIABILITY

ITEM	TEST CONDITION	ACCEPTANCE CRITERIA
HI-POT TEST	BETWEEN INPUT & OUTPUT 3000Vac 60 SECONDS 10mA IT IS BASED ON EN60950 5.2.2 TEST PROCEDURE. FOR MASS PRODUCTION , IT IS TESTED BY 3.3KV/1 SECOND .	NO DAMAGE
INSULATION RESISTANCE	INPUT TO OUTPUT ,DC 500V	>100MΩ
MTBF	TYPICAL INPUT & FULL LOAD AT 25°C	100000 HOURS (min)
BURN-IN TEST	AT 30°C (±10°C),TYPICAL INPUT VOLTAGE	2~4 HOURS
IEC61000-4-5 SURGE WITHSTAND	±1KV	NO DAMAGE
IEC61000-4-2 ESD TEST LEVEL2	AIR DISCHARGE ±8KV CONTACT DISCHARGE ±4KV	NO DAMAGE 1 ROUND/SEC ABOVE

5.ENVIRONMENT

ITEM	SPECIFICATION OR TEST CONDITION	MIN	TYPICAL	MAX
OPERATING TEMPERATURE		0°C		50°C
STORAGE TEMPERATURE		-20°C		65°C
OPERATING HUMIDITY	NON-CONDENSING	5%RH		95%RH
STORAGE HUMIDITY	NON-CONDENSING	5%RH		95%RH

6.OUTLOOK

DIMENSION :98(L)×46(W)×27.6(H)mm typ

WEIGHT : ABOUT 110g

7.SAFETY

COMPLY SAFETY STANDARDS
CE

EMI
VCCI class B , FCC class B , CISPR 22 class B

8.QC CHECK

ALL OF THE QUANTITY SHALL BE CHECKED BEFORE SHIPMENT,CHECK ITEM AS BELOW:

- (1)DC PLUG POLE CHECK
- (2)DC OUTPUT VOLTAGE CHECK
- (3)HI-POT&INSULATION CHECK
- (4)OUTLOOKING CHECK

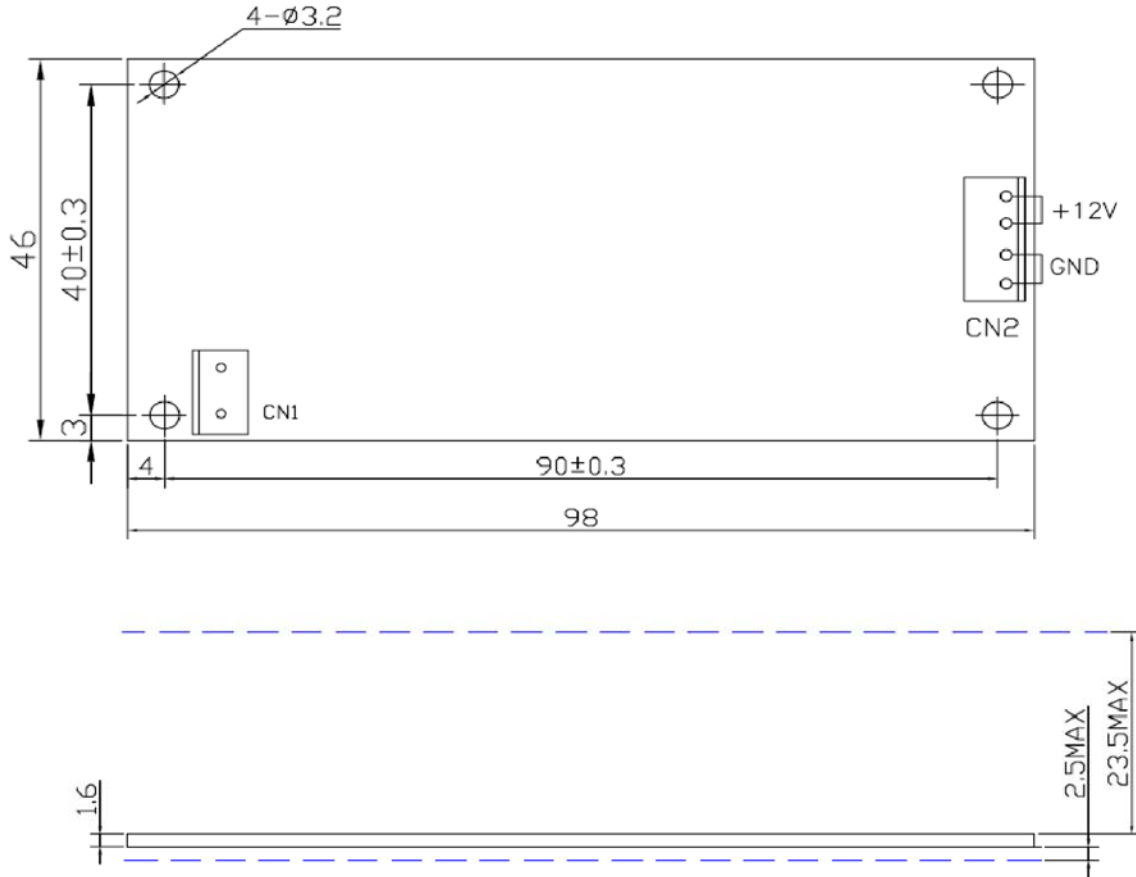
STANDARD OF RoHS

NO.	chemical substances group
1	Cadmium
2	Chromium(VI)
3	Lead
4	Mercury
5	Polybrominated biphenyls (PBBs)
6	Polybrominated diphenyl ethers(PBDEs)

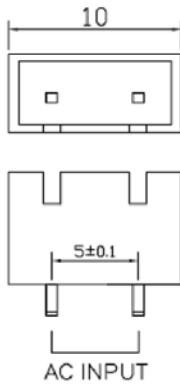
FOR ENVIRONMENTAL IMPACT SUBSTANCES CONTAINED IN PARTS. COMPLY WITH "RoHS"

9.DIMENSION: :98(L)×46(W)×27.6(H)mm

TOLERANCE:±0.5
UNIT: mm

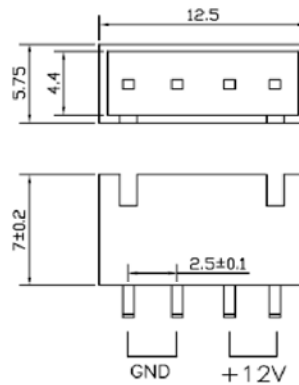


CN1



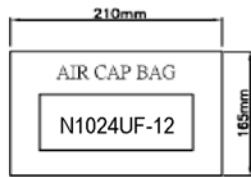
CN1:INPUT CONNECT
MODEL:JST B3B-XH-A
(THE EQUIVALENT)

CN2

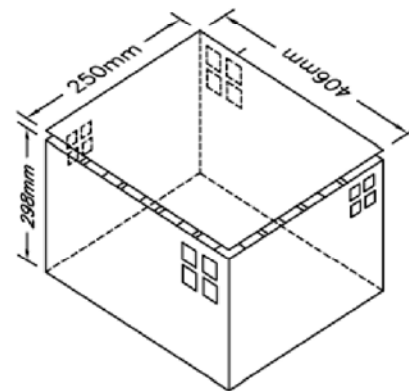
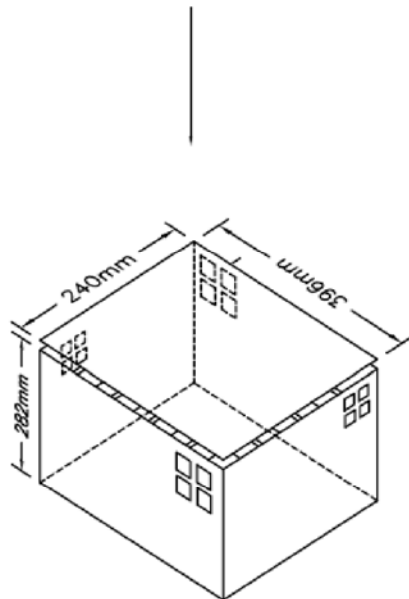
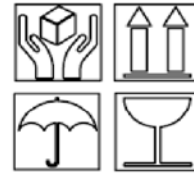
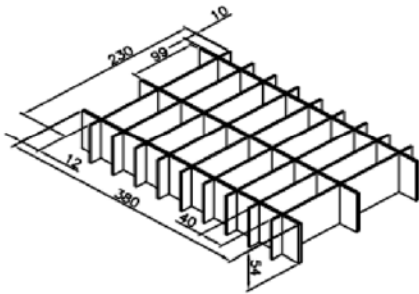


CN2 : OUTPUT CONNECT
MODEL:JST B4B-XH-A
(THE EQUIVALENT)

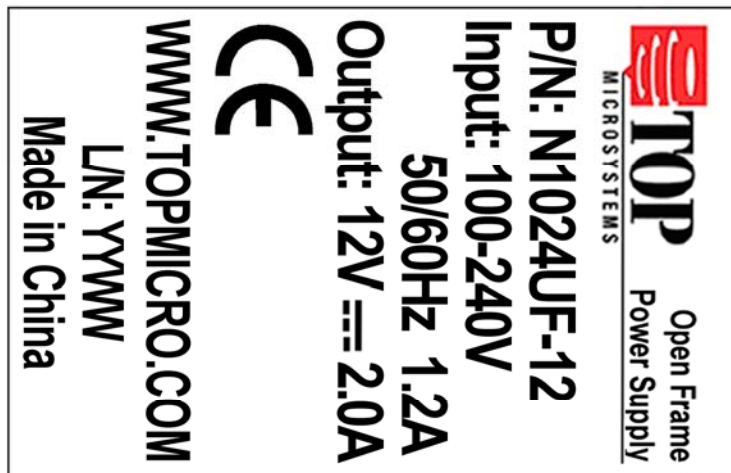
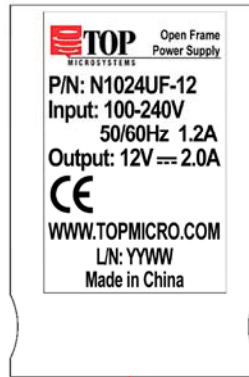
10.PACKING



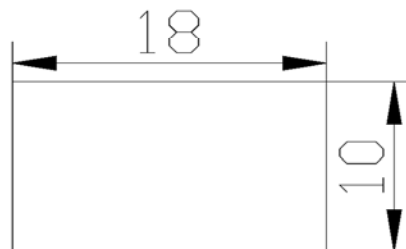
INSIDE CARTON SIZE = 396*240*282mm
OUTSIDE CARTON SIZE = 406*250*298mm
Q'TY: 64pcs(16x4)



11.LABEL



LABEL SIZE:



+0 / -0.2 mm