

DATE: 2021/9/16 (YY/MM/DD)

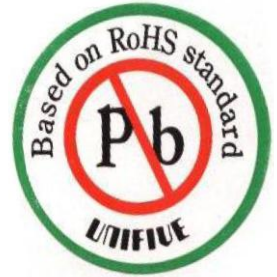
Customer : ASKA ELECTRIC SERVICE CO.,LTD

Confidential

APPROVAL SHEET

RoHS Compliant

PRODUCT: AC/DC ADAPTOR
 CUSTOMER MODEL:
 MODEL: UMB305-0510
 PART NO. JASK-0417ZD
 V :210916
 V2



Receiver's stamp or signature

PLEASE APPROVE & RETURN BEFORE 2021/9/30
 OR WE WOULD REGARD IT BEEN CONFIRMED.

RESPONSIBLE	APPROVED	ISSUED
梁國康	楊紅梅	張穎穎

Revised History

NO.	Revised Date	Description	Approved	ISSUED
1	2018/11/30	FIRST ISSUED	楊紅梅	朱思梅
2	2021/9/16	CHANGE LABEL	楊紅梅	張穎穎

UNIFIVE

UNIFIVE CO., LTD

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2.OUTPUT SPECIFICATION

3.MECHANICAL

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8.SAFETY

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11.LABEL



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.		0.12-0.16A	0.176A
AC INRUSH CURRENT	TYPICAL INPUT VOLTAGE & FOR A COLD START AT 25°C.			40A
DOE EFFICIENCY	THE ADAPTOR SHALL ACCORD WITH THE REQUEST OF DOE VI	73.62%		
STAND BY CONSUMPTION	THE ADAPTOR SHALL ACCORD WITH THE REQUEST OF DOE VI			0.1W
LEAKAGE CURRENT	MAX INPUT VOLTAGE			0.1mA

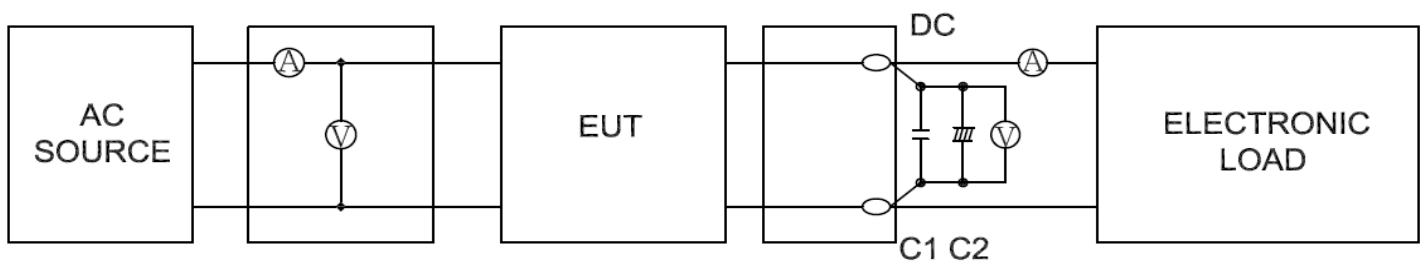
2.OUTPUT SPECIFICATION

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
NOMINAL DC OUTPUT VOLTAGE	TYPICAL OUTPUT VOLTAGE NO LOAD			5.35Vdc
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE (0.5m.24#)	4.75Vdc	5Vdc	5.25Vdc
LOAD CURRENT				1A
RIPPLE	TYPICAL INPUT VOLTAGE , FULL LOAD CURRENT , 25°C			200mV
NOISE	TYPICAL INPUT VOLTAGE , FULL LOAD CURRENT , 25°C			200mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD ,50Hz	8mS		
TURN-ON DELAY	TYPICAL INPUT VOLTAGE AND FULL LOAD CURRENT			3S
DYNAMIC TEST	TYPICAL INPUT VOLTAGE,20%-80% LOAD,TH 5mS TL 5mS, 100mA/uS	4.5Vdc		5.5Vdc

PROTECTION

OVER CURRENT PROTECTION	AUTO RECOVERY
SHORT CIRCUIT PROTECTION	THE ADAPTOR SHALL NOT DAMAGE BY SHORT TO THE DC OUTPUT GROUND
OVER VOLTAGE PROTECTION	AUTO RECOVERY

*TEST MEASURES

C1: 0.1 μ F CERAMICS CAPACITORC2: 10 μ 100V ALUMINUM CAPACITOR

THE BANDWIDTH OF OSCILLOSCOPE IS SET WITH 20MHz

3.MECHANICAL

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

4.RELIABILITY

ITEM	TEST CONDITION	ACCEPTANCE CRITERIA
TEMPERATURE UP WITH FULL LOAD	TEST AT SURFACE OF THE CASE WITH TYPICAL AC INPUT AND FULL LOAD IN OUTPUT 50/60Hz	TEMPERATURE RISEN MEET SAFETY APPROVALED AT THE SURFACE OF CASE
HI-POT TEST	BETWEEN INPUT & OUTPUT4000Vac 60 SECONDS 10mA IT IS BASE ON EN60601 Clause 20 TEST PROCEDURE. FOR MASS PRODUCTION, IT IS TESTED BY4KV /1 SECOND.	NO DAMAGE
INSULATION RESISTANCE	INPUT TO OUTPUT, DC 500V	>50M Ω (below at R.H 70%). >10M Ω (at R.H 71 ~ 95%). *Put it into normal temperature & humidity for 24H,when testing. (Ta:20~30 °C, below R.H 70%)
MTBF	TYPICAL INPUT & FULL LOAD AT 25°C	100000 HOURS (min)
BURN-IN TEST	AT 30°C ($\pm 10^{\circ}\text{C}$),TYPICAL INPUT VOLTAGE	2~4 HOURS
IEC61000-4-2 ESD TEST LEVEL2	AIR DISCHARGE $\pm 15\text{KV}$ CONTACT DISCHARGE $\pm 8\text{KV}$	NO DAMAGE 1 ROUND/SEC ABOVE
IEC61000-4-5 SURGE WITHSTAND	$\pm 1\text{KV}$	NO DAMAGE

5.ENVIRONMENT

ITEM	SPECIFICATION OR TEST CONDITION	MIN	TYPICAL	MAX
OPERATING TEMPERATURE		0°C		40°C
STORAGE TEMPERATURE		-20°C		65°C
OPERATING HUMIDITY	NON-CONDENSING	5%RH		95%RH
STORAGE HUMIDITY	NON-CONDENSING	5%RH		95%RH

6.OUTLOOKING

DIMENSION	59.0(L)*28.0(W)*37.6(H)TYP
WEIGHT	ABOUT 47 g
AC INPUT TYPE	WALL MOUNT
DC OUTPUT TYPE	USB
INDICATION	LASER MARKING
FLAMMABILITY OF POWER SUPPLY ADAPTER ENCLOSURE IS 94V0	
FLAMMABILITY OF PWB IS 94V0	

7. QC CHECK

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

- (1)DC OUTPUT VOLTAGE CHECK
- (2)HI-POT&INSULATION CHECK
- (3)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)

Effective in 1st Jan. 2019 (2019年1月1号開始有効)

NO.	chemical substances group
1	Bis (2-ethylhexyl) phthalate (DEHP)
2	Butyl benzyl phthalate (BBP)
3	Dibutyl phthalate (DBP)
4	Diisobutyl phthalate (DIBP)

FOR ENVIRONMENTAL IMPACT SUBSTANCES CONTAINED IN PARTS. COMPLY WITH "RoHS 2.0"

8. SAFETY

COMPLY SAFETY STANDARDS	STANDARD
CE-LVD	EN60601
CUL	UL60601-1
PSE	電気用品安全法 別表第八

Manufacturer: UNIFIVE TECHNOLOGY (SHENZHEN) CO., LTD.

Factory Address: 101,201,301,BLDG E DATIANYANG INDUSTRIAL ZONE LONGMEN VLG

HONGXING SONGGANG ST BAOAN DISTRICT SHENZHEN GUANDONG, 518105 CHINA

8.1 EMC

8.1.1 EMI

MEET VCCI class B , FCC class B , CISPR 11 class B,EN55011

The EMC result will be affected when connecting of end device. The end user should be re-test the EMC of the complete set of equipments

The value which list on the spec,were tested by resistance.

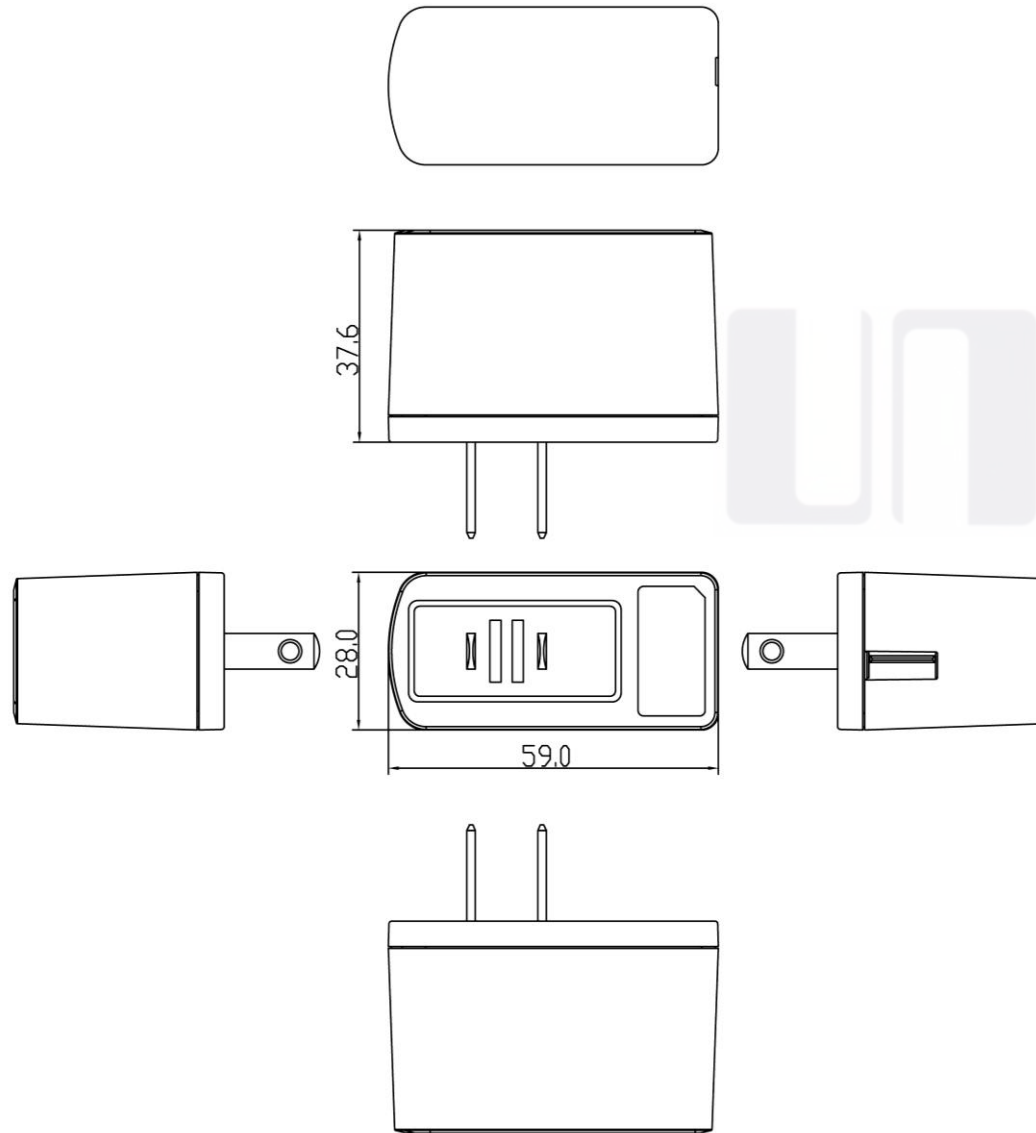
THE EUT HAS BEEN TESTED ACCORDING TO THE FOLLOWING SPECIFICATIONS:

EMISSION			
STANDARD	TEST TYPE	RESULT	REMARKS
EN55011:2009+A1:2010	MAINS TERMINAL DISTURBANCE VOLTAGE	MEET	MEETS CLASS B LIMIT
	RADIATED TEST	MEET	MEETS CLASS B LIMIT
EN61000-3-2:2014	HARMONIC CURRENT EMISSIONS	MEET	MEETS CLASS A LIMIT
EN61000-3-3:2013	VOLTAGE FLUCTUATIONS & FLICKER	MEET	MEET THE REQUIREMENTS.

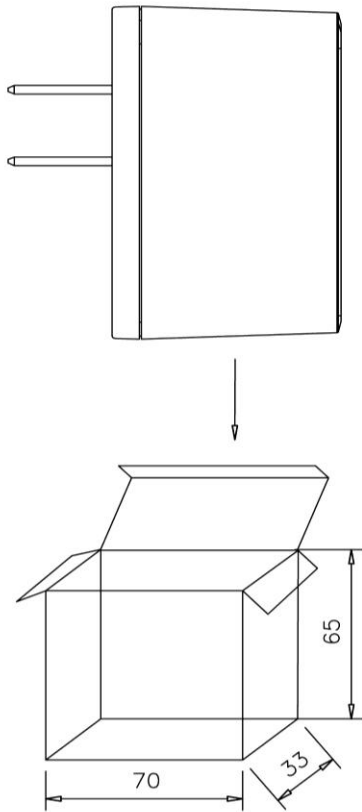
IMMUNITY(EN 60601-1-2:2015)			
STANDARD	TEST TYPE	RESULT	REMARKS
EN 61000-4-2:2009	ELECTROSTATIC DISCHARGE IMMUNITY TEST	MEET	MEETS THE REQUIREMENTS OF PERFORMANCE CRITERION A
EN 61000-4-3:2006+A1:2008+A2:2010	RADIATED,RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY TEST	MEET	MEETS THE REQUIREMENTS OF PERFORMANCE CRITERION A
EN 61000-4-4:2012	ELECTRICAL FAST TRANSIENT / BURST IMMUNITY TEST.	MEET	MEETS THE REQUIREMENTS OF PERFORMANCE CRITERION A
EN 61000-4-5:2014	SURGE IMMUNITY TEST	MEET	MEETS THE REQUIREMENTS OF PERFORMANCE CRITERION A
EN 61000-4-6:2014	IMMUNITY TO CONDUCTED DISTURBANCES, INDUCED BY RADIO-FREQUENCY FIELDS	MEET	MEETS THE REQUIREMENTS OF PERFORMANCE CRITERION A
EN 61000-4-8:2010	POWER FREQUENCY MAGNETIC FIELD IMMUNITY TEST.	MEET	MEETS THE REQUIREMENTS OF PERFORMANCE CRITERION A
EN 61000-4-11:2004	VOLTAGE DIPS,SHORT INTERRUPTIONS AND VOLTAGE VARIATIONS IMMUNITY TESTS	MEET	MEETS THE REQUIREMENTS OF VOLTAGE DIPS: 1.0% 0.5 CYCLE REDUCTION- PERFORMANCE CRITERION B 2. 0% 25/30 CYCLE REDUCTION- PERFORMANCE CRITERION C VOLTAGE INTERRUPTIONS: 0% 250/300 CYCLE REDUCTION- PERFORMANCE CRITERION C

9.DIMENSION

CASE TOLERANCE: $\pm 0.8\text{mm}$

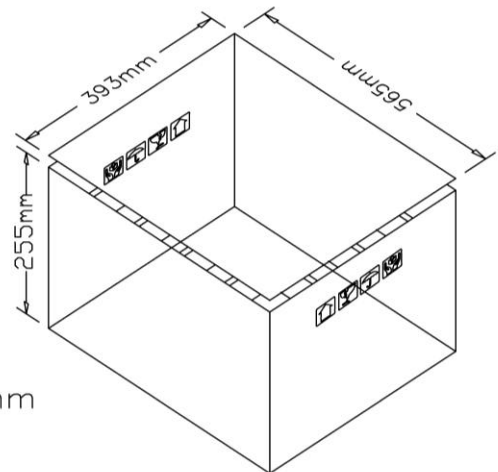
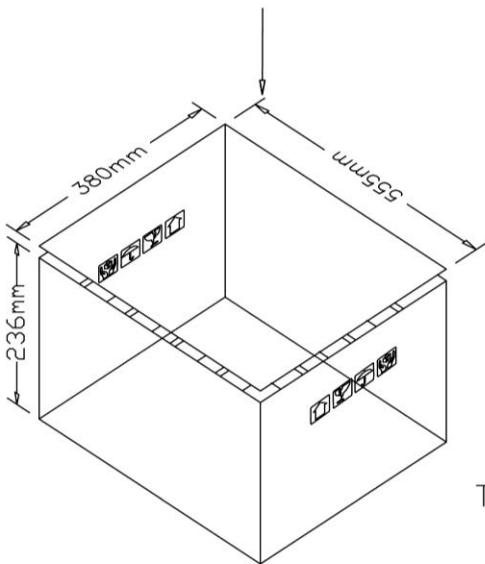


10.PACKING



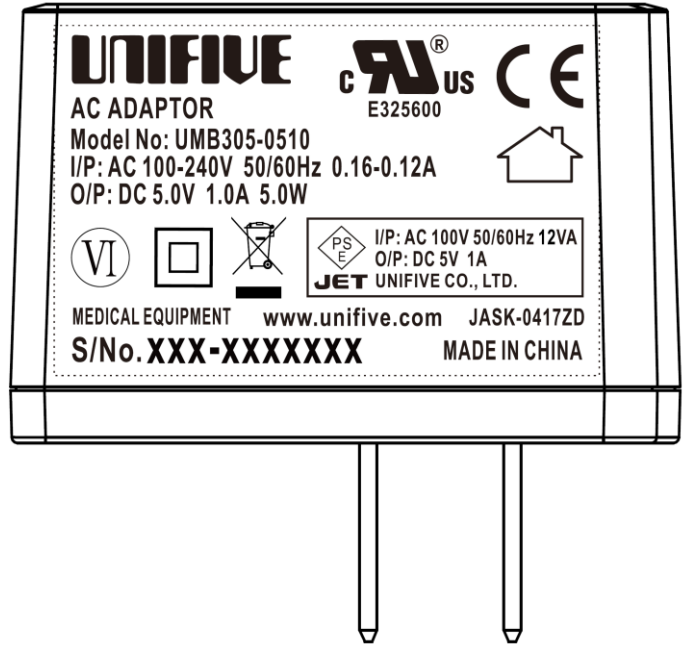
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Q'TY:264pcs(8*11*3)



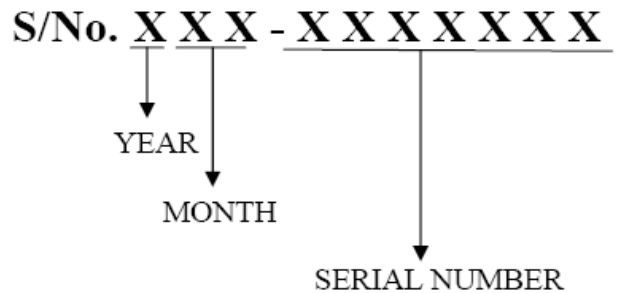
TOLERANCE: ±5mm

11.LABEL (LASER MARKING)



镭射示意图

laser Schematic diagram



About S/No. From the year of 2010, notation of year will be as below;

- ex. 2021/09...M09-XXXXXXX
- 2022/01...N01-XXXXXXX
- 2023/01...P01-XXXXXXX
- 2024/01...Q01-XXXXXXX
- 2025/01...R01-XXXXXXX
- 2026/01...S01-XXXXXXX



(A,B,C~Z)the letters of "I" and "O" will not be used.(In order not to make confusion of 1 and 0)