



SPECIFICATION FOR APPROVAL



KE-09J4H08

OPEN FRAME TRANSFORMER

TRANSFORMER



KE-09J4H08

Manufacturer Part No.: KS251476

Customer Name KTEC

Customer Part NO.

Project Modify List

Item	Content	Rev.	Date	Prepared By	Checked By
1	First REV.	A	2025-11-12	Liao xiaoyan	Zong guoqing

Manufacturer

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CHECKED BY

TESTED BY

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1. ELECTRICAL CHARACTERISTICS

1.1 Primary input rating:

AC 208/240 VAC 50/60 Hz

1.2 Secondary output:

WINDING	SECONDARY OUTPUT	
INPUT VOLTAGE	LOADING(VL)	NO LOAD(VO)
208 VAC 50/60Hz (BLK-RED)	24V±5% @3.13A	26.5V±5%
240 VAC 50/60Hz (BLK-ORG)	24V±5% @3.13A	26.5V±5%

1.3 Chemical Substance Control Laws

ROHS

1.4 Primary no-load current (IO):

0.3 A rms max, at input 208/240 VAC 50/60 Hz.

1.5 Core loss (CL):

7.5 watts maximum, at input 208/240 VAC 50/60 Hz, no-load

1.6 DC resistance (DCR), measured at 25°C :

BLK-RED: / Ω maximum; BLK-ORG: / Ω maximum;

BLU-YEL: / Ω maximum;

1.7 Dielectric strength test (Hi-pot):

AC 2500 V for 60 seconds between primary to secondary;

AC 1500 V for 60 seconds between primary to core;

AC 500 V for 60 seconds between secondary to core; and cutoff current 1 Ma max, without breakdown.

At an alternative potentials, increasing 20% of voltage to be applied for one second in mass production.

1.8 Insulation resistance (IR):

By 500 VDC tester, 100 Mohms minimum between primary and secondary.

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1.9 Induced voltage:

All secondary open, primary should withstand AC 480 V 400 Hz for 18 seconds without breakdown.

1.10 Humidity test :

The unit shall be stored at a temperature of 40 ± 2 °C and a humidity 90-95%R.H. for 48 hours.

Then stored at a standard atmospheric conditions for 30 minutes for recovery.

The results should meet item B-6 requirements, and its insulation resistance shall be 10 M ohms minimum.

1.11 Temperature rise(ΔT):

95°C max for primary coil ,at 25°C ambient, in open air at 208/240 VAC 50/60 Hz input and rated load.

2. MECHANICAL CHARACTERISTICS:

2.1 Pull strength test:

Pin or Lead wires should withstand pull force of 5 lbs for 60 seconds, no damage occurred.

2.2 Appearance:

Damage and rust are not permitted.

2.3 Dimension:

As mechanical drawing.

3. SAFETY STANDARD:

Meet UL/CUL 5085

4. INSULATION SYSTEM:

Class B-TaiHu 130-TM(Table IV)

5. ENVIRONMENTAL CONDITION:

Normal operating temperature range: 0°C~+40°C

Normal operating humidity range: 0~95%R.H

Storage temperature range: -20°C~+70°C.

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6. CORE LAMINATION METHOD:

Submitted samples: Argon welding or Interleaving

Products of mass production: Argon welding or Interleaving

7. INSPECTION ON MASS PRODUCTION:

7.1 The inspection items for 100% of the products:

- ◆ Primary no-load current (I₀)
- ◆ Core loss (CL)
- ◆ Output no-load voltage (V₀)
- ◆ Appearance
- ◆ Dielectric strength test (Hi-pot)
- ◆ Mechanical Dimensions

7.2 H-2. Sampling test items:

- ◆ Insulation resistance
- ◆ Induced voltage
- ◆ DC resistance
- ◆ Pull strength test
- ◆ Output load voltage (V_L)

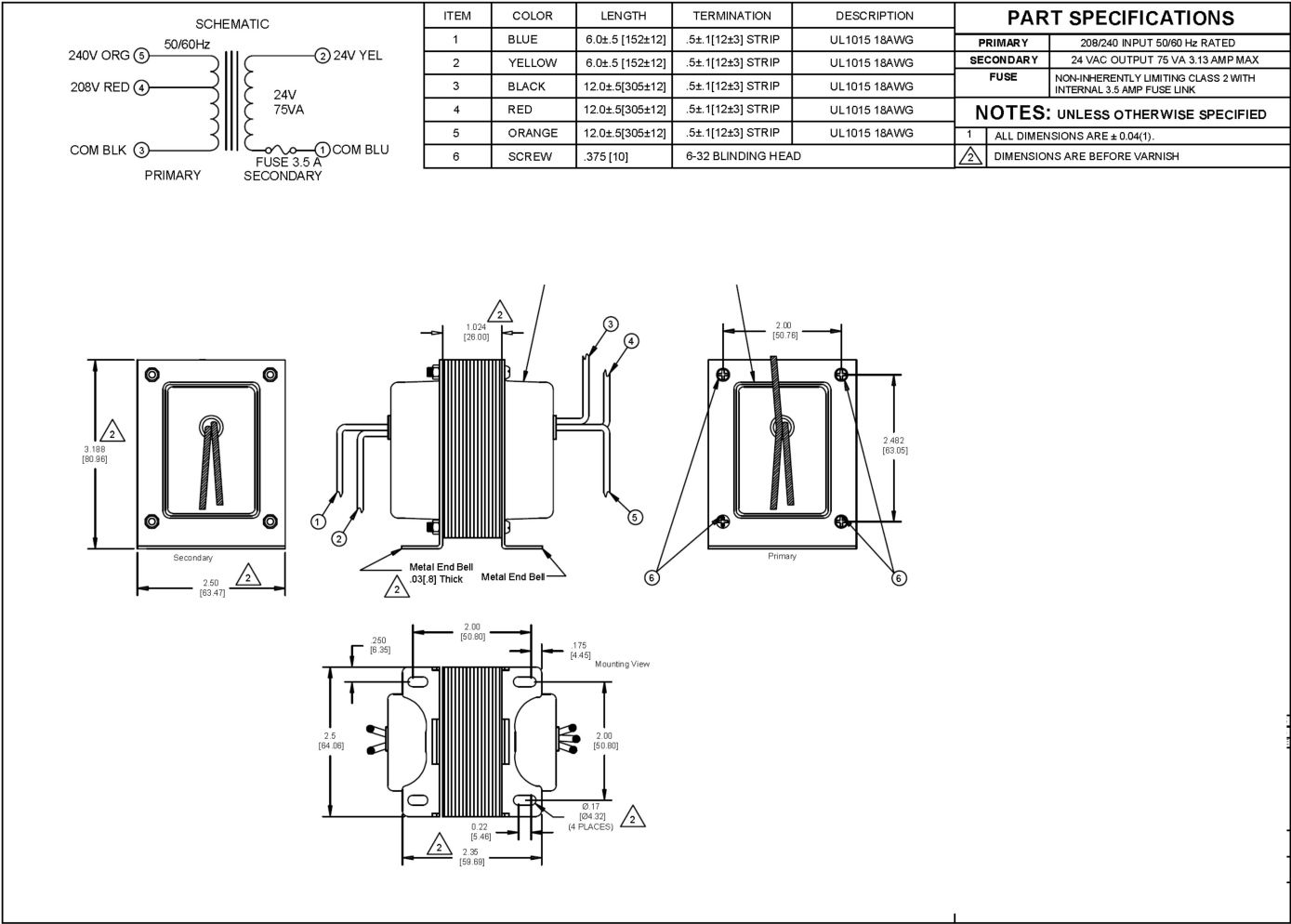
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8. APPEARANCE DRAWING: (Unit: mm)



NOTE: 1. ROHS

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9. TRANSFORMER LABEL

1	2	3	4	5	6	7	8	9	10	11	12																																																																																																							
REVISION				Mold NO.	Cavity NO.	P/N		Material	Colour	Specification																																																																																																								
ISSUE	MARK	DESCRIPTION	DATE	REV	SIGNATURE	89P038019-03-KS251476																																																																																																												
A	1	First Release																																																																																																																
←38.1±0.2 mm→ KE-09J4H08 PRI: COM 208 240 SEC: 24 VAC BLK RED ORG BLU YEL 75 VA 50/60Hz CLASS 2 NOT WET CLASS 3 WET ISC-CLASS 130(B) INSULATION INTERNAL FUSE 3.5 AMP MADE IN CAMBODIA KTEC KTEC GLOBAL CO., LTD. T6 WWYY 19.05±0.2 mm 1:1 SC: 2:1 WWYY 表示实际生产的YEAR 表示实际生产的WEEK NOTE:(unit:mm) 材质: 0.13MM PET +哑膜, 防火 白底黑字, 无边框 PAHS																																																																																																																		
<table><tr><td>SELECT</td><td colspan="3">* A B C</td><td>M-A</td><td>M-B</td><td>M-C</td><td>USR</td><td>MODEL NO.</td><td>PART NAME</td><td>DWG. NO</td><td>DWG. DATE</td><td>FILE NO</td></tr><tr><td>0 - 6</td><td>0.05</td><td>0.05</td><td>0.10</td><td>0.03</td><td>0.05</td><td>0.10</td><td></td><td></td><td></td><td></td><td>2025-11-17</td><td></td></tr><tr><td>6 - 30</td><td>0.10</td><td>0.15</td><td>0.20</td><td>0.05</td><td>0.10</td><td>0.15</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>30 - 120</td><td>0.15</td><td>0.20</td><td>0.30</td><td>0.10</td><td>0.15</td><td>0.20</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>120 - 300</td><td>0.20</td><td>0.30</td><td>0.40</td><td>0.15</td><td>0.20</td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>300 - 450</td><td>0.25</td><td>0.40</td><td>0.50</td><td>0.20</td><td>0.25</td><td>0.30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>450 - 600</td><td>0.30</td><td>0.50</td><td>0.60</td><td>0.25</td><td>0.30</td><td>0.35</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="2">DRAFT TOLERANCE</td><td colspan="2">±0.2*</td><td colspan="2">CRITICAL DIM. MARK</td><td colspan="6"></td></tr></table> DESIGNED BY Wang CHECKED BY INSPECTION APPROVED BY KTEC SIZE A4 SCALE Free UNIT MM REV. 1.0 KTEC GLOBAL CO., LTD.												SELECT	* A B C			M-A	M-B	M-C	USR	MODEL NO.	PART NAME	DWG. NO	DWG. DATE	FILE NO	0 - 6	0.05	0.05	0.10	0.03	0.05	0.10					2025-11-17		6 - 30	0.10	0.15	0.20	0.05	0.10	0.15							30 - 120	0.15	0.20	0.30	0.10	0.15	0.20							120 - 300	0.20	0.30	0.40	0.15	0.20	0.25							300 - 450	0.25	0.40	0.50	0.20	0.25	0.30							450 - 600	0.30	0.50	0.60	0.25	0.30	0.35							DRAFT TOLERANCE		±0.2*		CRITICAL DIM. MARK							
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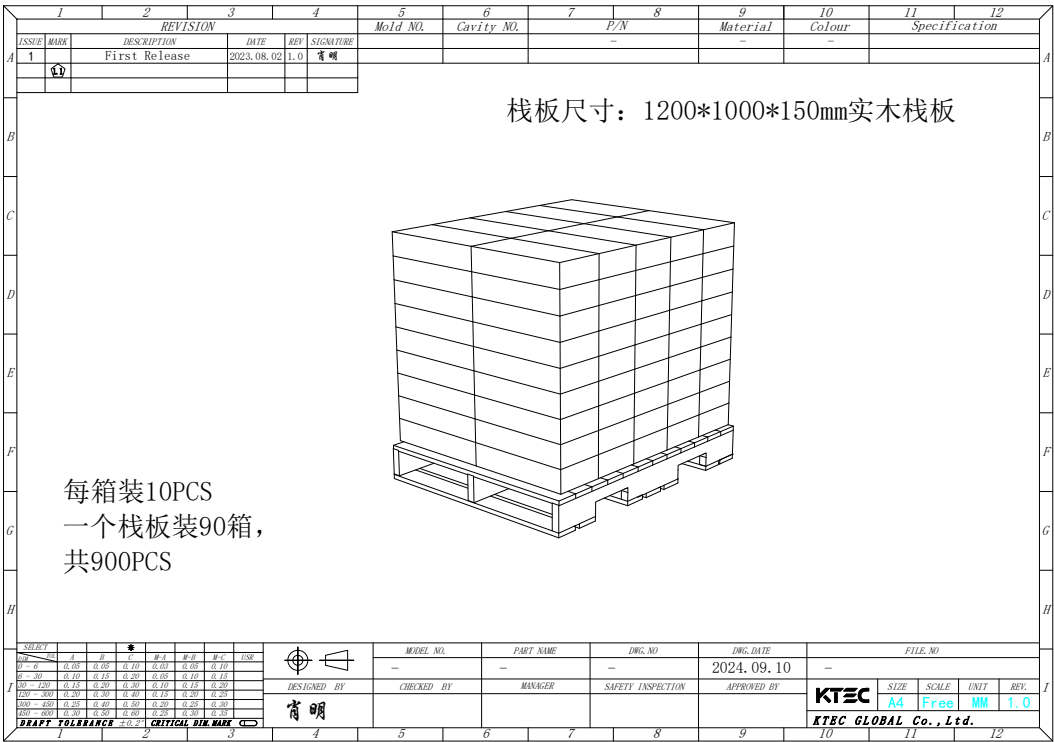
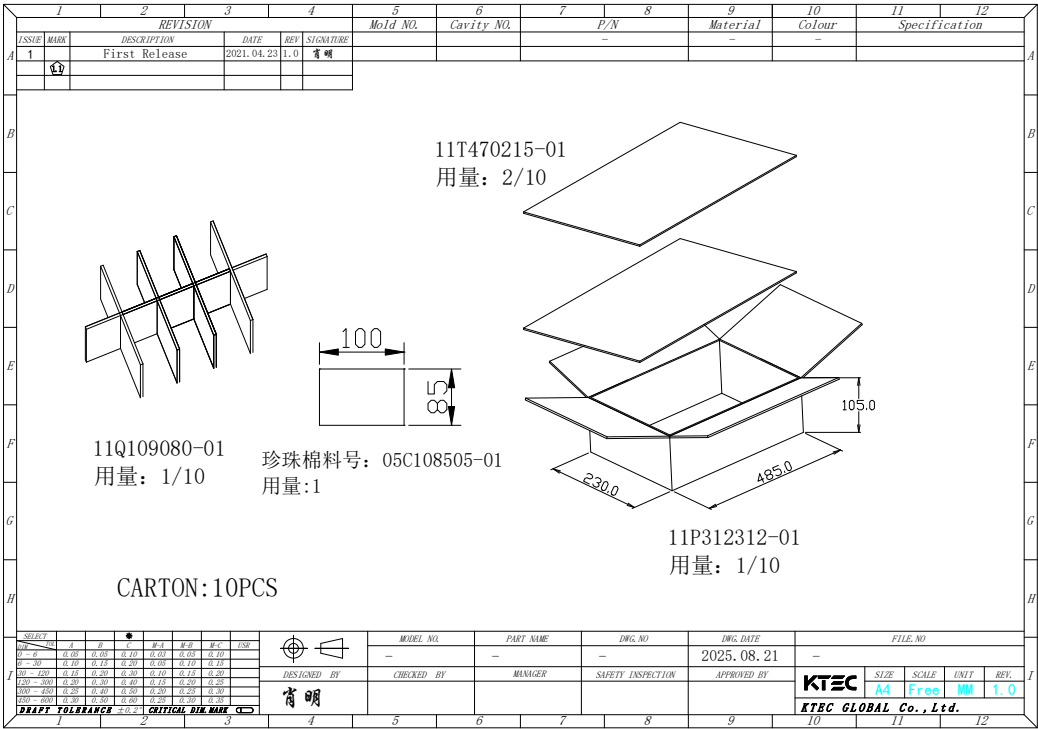
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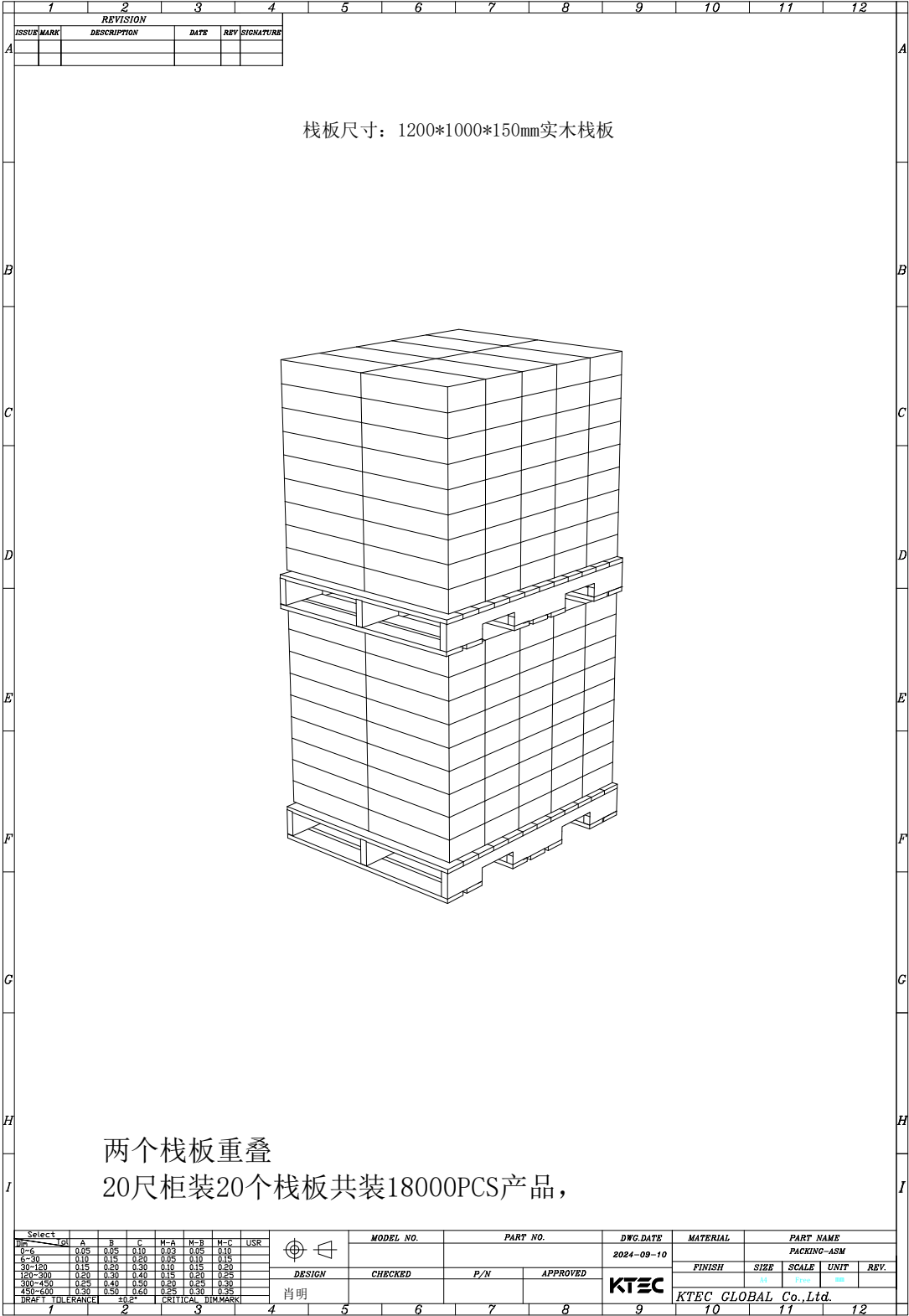
10. PACKING: (UNIT: MM)



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11. MASTER BOX LABEL

1	2	3	4	5	6	7	8	9	10	11	12
REVISION				Mold NO.	Cavity NO.	P/N		Material	Colour	Specification	
ISSUE MARK	DESCRIPTION			DATE	REV	SIGNATURE					
A 1	First Release					01P101050-03-KS251476					

MASTER BOX LABEL

101.6±0.2 mm

KE-09J4H08

QTY-10

KTEC

KTEC GLOBAL CO., LTD.

50.8±0.2 mm

实际装箱数量

1:1

Note (unit:mm):

1. 材質: 銅板紙(背面背膠)+啞膜 T=0.11±0.01mm.

2. 印刷: 白底黑字(无边框). 字体: Arial

3. RoHS compliant indication.

来料必须做粘性高低温测试, 测试条件: 高温40度, 低温-5度 4小时,

不会产生气泡或翘起, 印刷必须清晰不得有断线, 模糊不清等不良现象

(外箱侧唛右上角位置):

粘贴位置如图所示

SELECT	A	B	C	W-A	W-B	W-C	USR	MODEL NO.	PART NAME	DWG. NO	DWG. DATE	FILE NO	
0 - 6	0.05	0.05	0.10	0.03	0.05	0.10					2025-11-17		
6 - 30	0.10	0.15	0.20	0.05	0.10	0.15							
30 - 120	0.15	0.20	0.30	0.10	0.15	0.20							
120 - 300	0.30	0.30	0.40	0.15	0.20	0.25							
300 - 450	0.35	0.40	0.50	0.20	0.25	0.30							
450 - 600	0.30	0.50	0.60	0.25	0.30	0.35							
DRAFT TOLERANCE							±0.2	CRITICAL DIM. MARK					

DESIGNED BY

Wang

CHECKED BY

INSPECTION

APPROVED BY

2025-11-17

KTEC

KTEC GLOBAL CO., LTD.

SIZE A4

SCALE Free

UNIT MM

REV. 1.0