

确 认 书

SPECIFICATION FOR APPROVAL

客户名称
CUSTOMER : 万利达

产品说明
DESCRIPTION : INVERTER TRANSFORMER

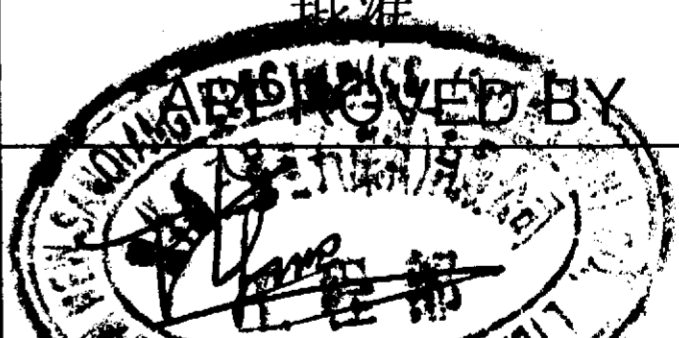
产品型号
MODEL : ST-0805WH

产品编号
PART NUMBER : 048-08058R3-947

客户料号
CUS P/N :

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APPROVAL BY CUSTOMER (客户承认栏)

拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVED BY
周江平	刘合斌	

WEI HAW GROUP

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产品型号 MODEL	ST-0805WH	客户名称 CUSTOMER	万利达	版本 REVISION	1.0
产品说明 DESCRIPTION	INVERTER XFMR	客户料号 CUS P/N		日期 DATE	2004/08/27

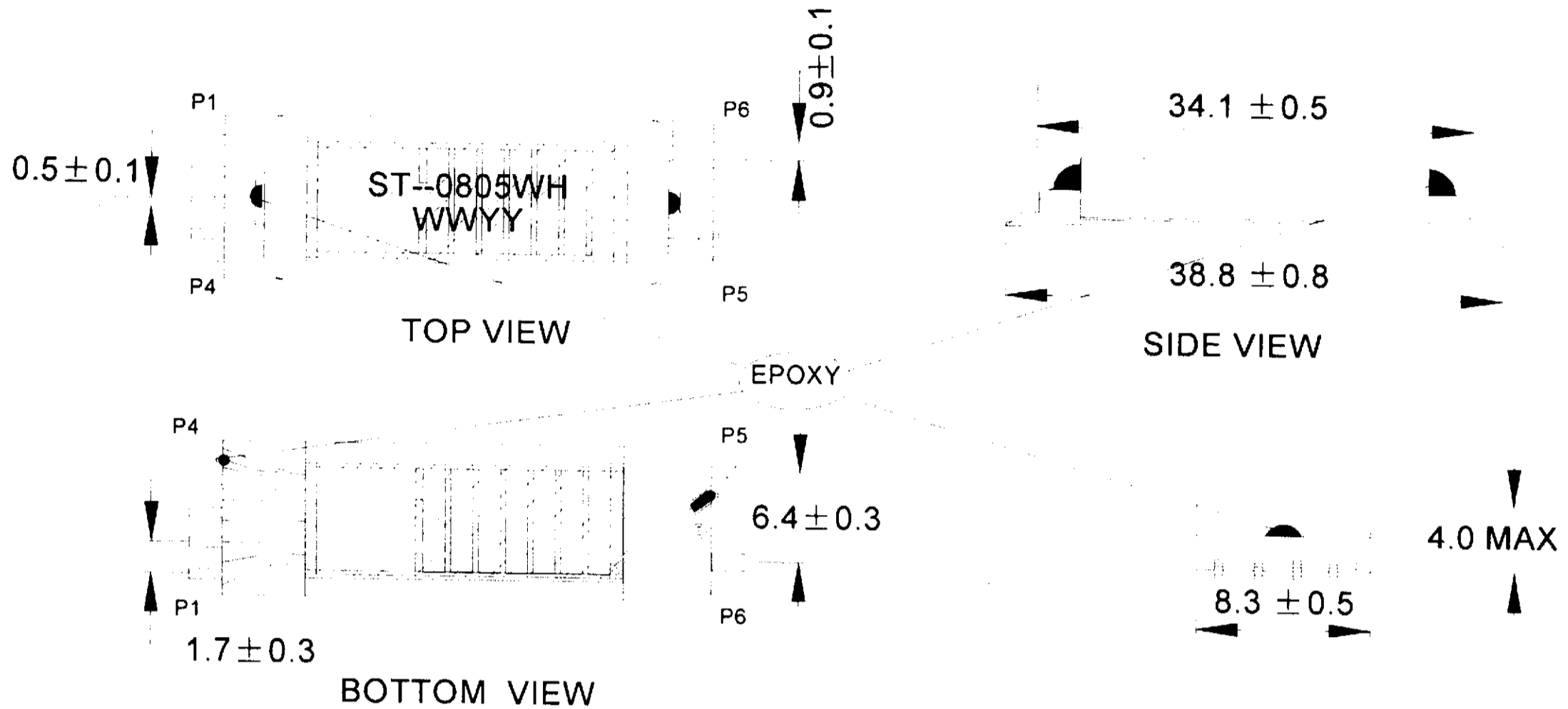
规格变更履历表

版本	变更内容及原因	发行日期	发行部门
1.0	新订	2004/08/27	工程部

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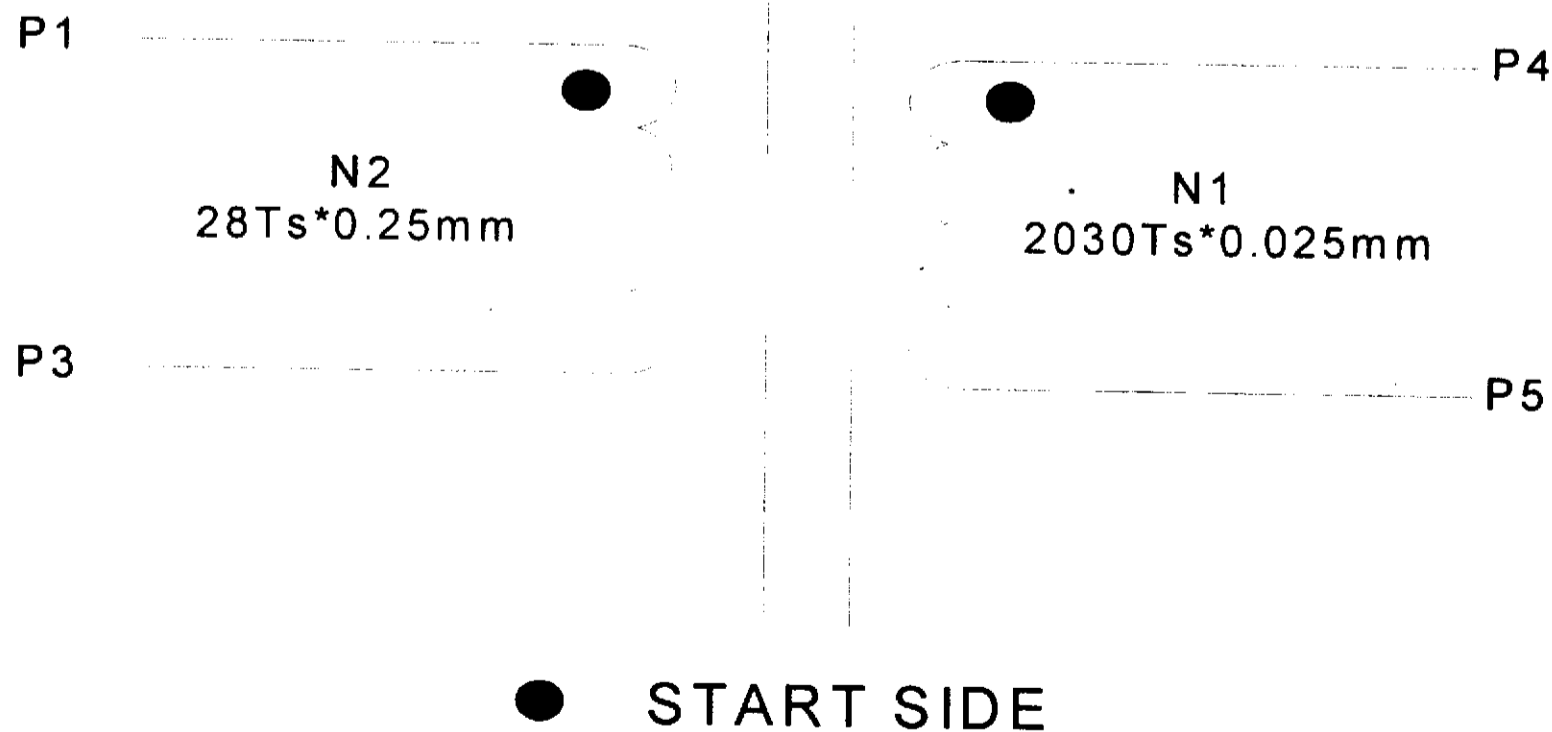
1. 机械尺寸 (PHYSICAL DIMENSION) : mm



说明:

1. UI CORE 要求对正, 错位不可超过 0.3mm Max.
2. 点胶后烘烤温度条件: $120^{\circ}\text{C}/1.5\text{H}$.
3. 平贴度要求: 0.10mm Max.

2. 电气原理图 (SCHEMATIC)

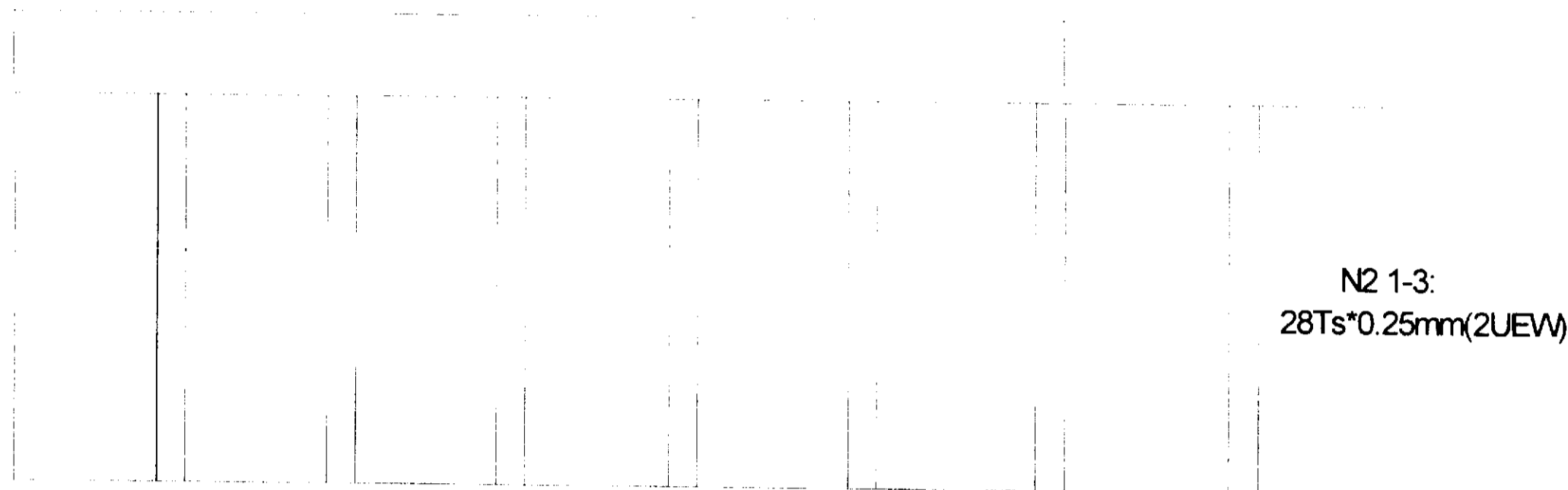


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3. 绕线顺序(WINDING SEQUENCE):

N1: 4-5 2030Ts*0.025mm(1UE)



N2 1-3:
28Ts*0.25mm(2UEW)

绕线说明:

- 1.N2 绕线要求平整，尾线需直角引出。
- 2.N1 分别绕在次级 6 个槽里，起始与结尾均需 3 折绞线。

4. 电气规格(ELECTRICAL SPECIFICATION):

- 4.1 电感测试 (INDUCTANCE TEST): 1KHz 1Vrms
L(4--5): 950mH ± 20%
- 4.2 漏电感测试(LEAKAGE INDUCTANCE TEST): 10KHz 1V,
LK(4--5):230mH-260mH (PRI SHORTED)
- 4.3 直流电阻(DC RESISTANCE TEST): 25 ± 5°C
P(1--3):200mΩ max P(4--5):1.0KΩ ± 15%
- 4.4 圈比测试(TURN RADIO TEST) : 20KHz 1V
I/P:P(4--5)2030Ts O/P:P(1--3) 28 ± 0.5Ts
- 4.5 高压测试 (HI-POT TEST): 50/60Hz
PRI TO SEC 1.0KVAC/5mA/3SECONDS
PRI TO CORE 1.0KVAC/5mA/3SECONDS
SEC TO CORE 1.8KVAC/5mA/3SECONDS

4.6 绝缘电阻 (INSULATION RESISTANCE TEST):

线圈与线圈，线圈与磁心之间，施加 DC500V 时，IR 不小于 100Mohm。

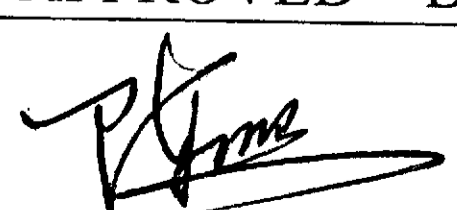
The insulation resistance is between winding to winding and winding to core measured by DC 500v,must be over 100Mohm.

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5 物料清单(MATERIAL LIST):

项目 ITEM	规格说明 DESCRIPTION	供应商 MANUFACTURE	UL 认证号 UL FILE NO
磁心 CORE	UI8.3 Ui=2500±25% P4 AL=250nH/N2+25%	ACME ELECTRONICCO .LTD	
骨架 BOBBIN	UI8.5 8SECTION 4*2P(2Pcs DUMM Y PIN) LCP E4008 BLACK	SUMITOMO CHEMICAL CO.LTD	E54705
铜线 WIRE	∅ 0.025 1UEW GOLD CLASS F	ZHUHAI ROSEN CO.LTD	E164502
	∅ 0.25 2UEW GOLD CLASS B	DONGWEI MAGNETWIR CO.LTD	E222363
胶带 TAPE	POLYIMIDE:KA180 0.06mm*21.8mm	HUAANHONG ADHESIVE CO.LTD	E173444
环氧树脂 EPOXY	ONE COMPONENT BLACK	HUILI CHEMICAL CO.LTD	
凡立水 VARNISH	8563/C	HANG CHEUNG PETROCHEMICAL LTD	E200154

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6. 环境可靠性实验(ENVIRONMENTAL TEST):

6.1 恒定湿热实验(HIGH TEMPERATUER AND HIGH HUMIDITY):

TEMPERATURE(温度):40°C ±2°C

HUMIDITY (湿度): 96% ±2%

DURATION (持续时间) :96H

AFTER THERE IS NO ABNORMALITY IN THE ELECTRICAL PROPERTY AND APPERANCE.(外观及电气性能无异常)

6.2 高温实验(HIGH TEMPERATUER):

TEMPERATURE(温度):105°C

DURATION (持续时间) :240H

AFTER THERE IS NO ABNORMALITY IN THE ELECTRICAL PROPERTY AND APPERANCE.(外观及电气性能无异常)

6.3 低温实验(LOW TEMPERATURE):

TEMPERATURE(温度):-30°C

DURATION (持续时间) :240H

AFTER THERE IS NO ABNORMALITY IN THE ELECTRICAL PROPERTY AND APPERANCE.(外观及电气性能无异常)

6.4 热冲击循环(THERMAL SHOCK CYCLES):

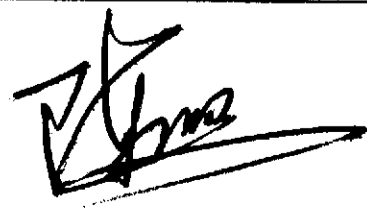
REPEATING 100 CYCLES FROM THE STAGE AS SPECIFIED SHOULD MEET THE REQUIREMENT OF THE SPEC. AND THERE SHALL NOT BE ANY ABNORMALITY.(依据特定条件重复 100 次,应无任何异常)

STAGE 步骤	TEMPERATURE 温度	DURATION(MIN) 持续时间
1	-30°C ±2°C	30
2	NORMAL	10-15
3	105°C ±2°C	30
4	NORMAL	10-15

6.5 破损实验 (BREAKDOWN TEST):

THERE IS NO ABNORMALITY IN FUNCTION UNDER THE TEST CONDITION OF 30-80KHz SINEWAVE WITH OUTPUT 1800V MAX(产品在 30-80KHz/1800V MAX 应无异常).

IT SHALL BE DAMAGE TO THE TRANSFORMER WHEN THE ABOVE APPLY VOLT. HIGHER THAN 1800VRMS.(电压超过 1800V 时变压器将受到伤害)

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样品测试报告

TEST REPORT FOR SAMPLE

MODEL	ST-00805WH	CUSTOMER	万利达			REV.	1		
DESCRIPTION	INVERTER XFMR	CUS P/N				DATE	2004-8-27		
ITEM	TERMINAL	CONDITION	UNITS	SPEC.	1	2	3	4	5
Le	4---5	1KHz 1Vrms	mH	950±20%	997	964	967	968	986
LK	4---5(PRI SHORTED)	10KHz 1Vrms	mH	230--260	242	236.8	243	238.4	241.5
DCR	1--3	25±5°C	mOhm	200 MAX	152.5	150.8	150.7	151.3	151.8
	4--5		KOhm	1.0±15%	1	1	1	1	0.999
T/R	4--5	20KHz 1Vrms	TS	2030					
	1--3			28±0.5	28.03	27.97	28.12	28.06	27.93
HI-POT	PRI--SEC.	50/60Hz 5mA 3sec	KVAC	1	OK	OK	OK	OK	OK
	PRI--CORE		KVAC	1	OK	OK	OK	OK	OK
	SEC--CORE		KVAC	1.8	OK	OK	OK	OK	OK
Insulation Resistance	PRI--SEC.	500 VDC	Mohm	100 MIN	OK	OK	OK	OK	OK
	P&S--CORE		Mohm	100 MIN	OK	OK	OK	OK	OK
TEST INSTRUMENT	<input type="checkbox"/> CH-1062 <input type="checkbox"/> CC-2671A <input type="checkbox"/> TH-2511 <input type="checkbox"/> CH-3252 <input type="checkbox"/> NF-2679 <input type="checkbox"/> EQUIVALENCE								

APPEARANCE SIZE	LENGTH	WIDTH	HEIGHT	PIN SPACE	PIN SPACE
SPEC. (mm)	38.8±0.8	8.3±0.5	4.0 MAX	1.7±0.3	6.4±0.3
1	38.78	8.24	3.44	1.66	6.39
2	38.83	8.26	3.53	1.73	6.42
3	38.76	8.33	3.47	1.68	6.37
4	38.68	8.31	3.49	1.71	6.37
5	39.01	8.35	3.41	1.71	6.44

PREPARE BY: 周工平

CHECKED BY: 刘合斌

APPROVED BY: [Signature]