

CUSTOMER: **G20**

承 認 書

SPECIFICATION FOR APPROVAL

CUST. MODEL NO.:

CUST. PART NO.:

PART NAME : TRANSFORMER

M.P. DESIGN NO.: G20-028-001

ISSUE DATE : 2009/7/4

承認簽章請寄回承認書一份

PLEASE RETURN TO US ONE COPY OF "SPECIFICATION
FOR APPROVAL" WITH YOUR APPROVED SIGNATURES

AUTHORIZED SIGNATURE

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金益宏電子股份有限公司



MAIN POWER ELECTRIC CO., LTD.

天澄科技股份有限公司

TIEN CHERNG TECHNOLOGY CO., LTD.

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GUANG DONG PROVINCE, CHINA

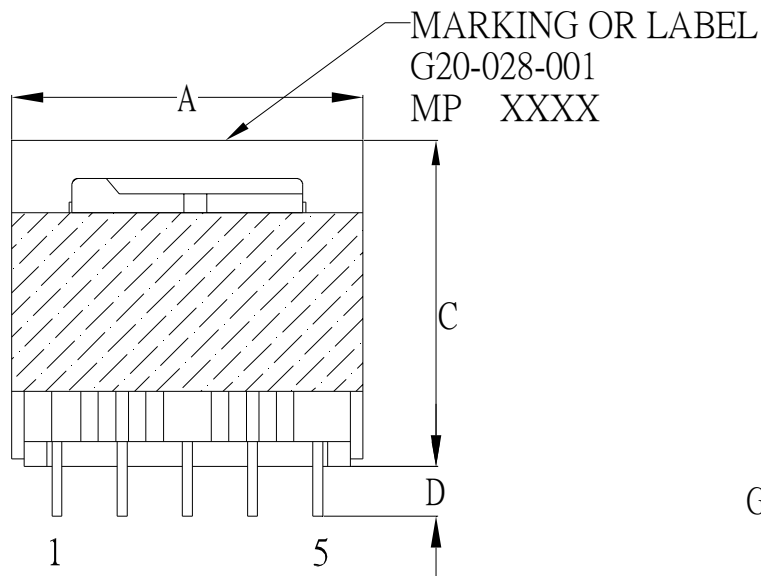
TEL : 86-769-83635211

FAX : 86-769-83635212

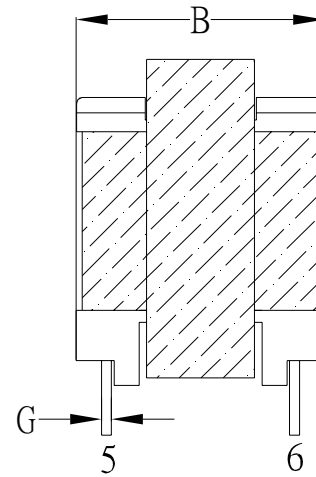
E-mail : sales.cn@mainpower-elec.com

PART NAME: TRANSFORMER	PART NO.:
MODEL: ER28/28	DESIGN NO.: G20-028-001

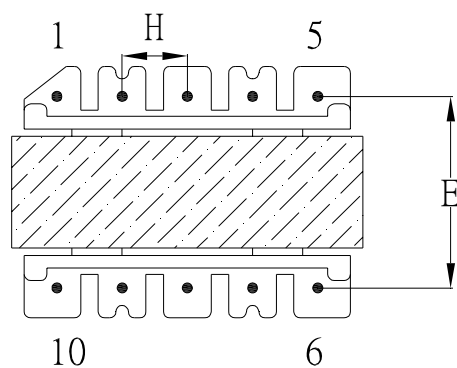
1. PHYSICAL DIMENSIONS (UNIT: m/m)



FRONT VIEW



SIDE VIEW

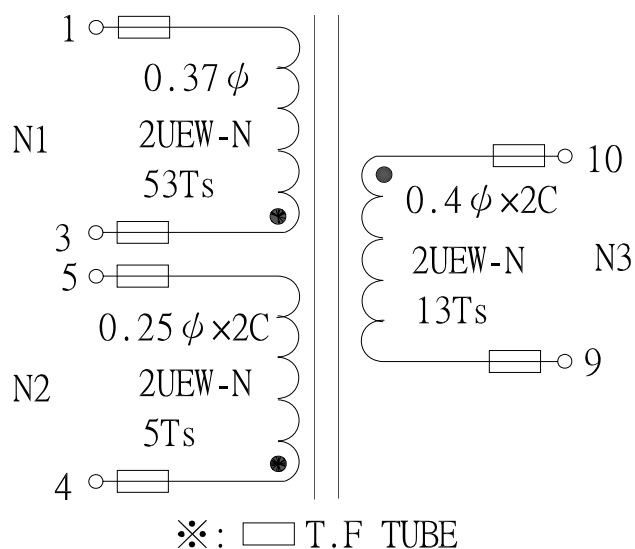


BOTTOM VIEW

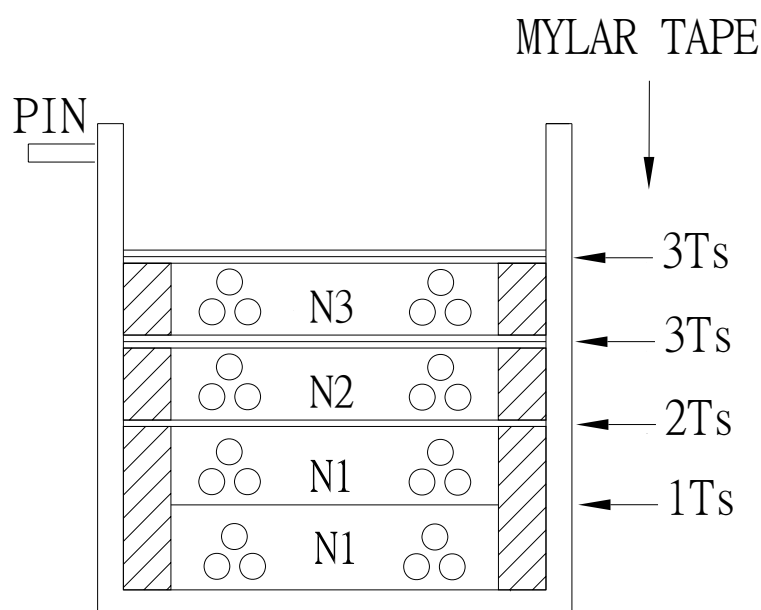
ITEM	UNIT:mm
A	33MAX
B	25MAX
C	32MAX
D	4.5±1
E	17.3±0.5
G	0.8±0.1
H	5.0±0.5

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2.SCHEMATIC:



3.WINDING CONSTRUCTION:



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4.ELECTRICAL CHARACTERISTICS:

4-1. INDUCTANCE: (AT 1KHz 0.25V)
L: (3-1): 508uH $\pm 10\%$

4-2. LEAKGE INDUCTANCE:

4-3. DCR: (AT: 25°C)
R: (3-1): 451m Ω MAX R: (4-5): 56.4m Ω MAX
R: (10-9): 57.3m Ω MAX

4-4. HI-POT: (AT 50Hz 5mA 1MIN)
P-S: 3.75KV AC P-C: 2.5KV AC
S-C: 1.5KV AC

4-5. INSULATION:
PRI-SEC/PRI-CORE/SEC-CORE. 100M OHM MIN. AT 500VDC

4-6. TEST EQUIPMENT : (OR EQUIVALENT)

- ☒ ZENTECH 9072A AC/DC WITHSTANDING VOLTAGE TESTER.
- ☒ ZENTECH 1062A PRECISION LCR METER
- ☒ ZENTECH 502AC MILLI OHM METER
- ☐ ZENTECH 102 LCR IMPEDANCE METER
- ☐ ZENTECH 9071A AC WITHSTANDING VOLTAGE TESTER
- ☐ ZENTECH 1310 BIAS CURRENT SOURCE
- ☐ ZENTECH 100 LCR METER
- ☐ ZENTECH 3250 AUTOMATIC TRANSFORMER TEST SYSTEM

SPECIFICATION FOR APPROVAL

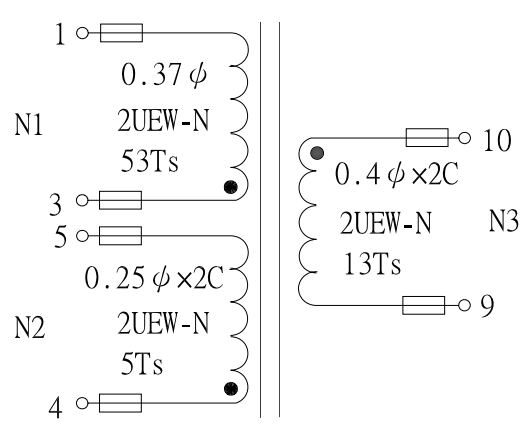
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PART NAME: TRANSFORMER			PART NO.:		
MODEL: ER28/28			DESIGN NO.: G20-028-001		
5. MATERIAL LIST					
ITEM	MATERIAL	SUPPLIER OF THE MATERIAL	UL FILE NO.	REPORT NO.	
BOBBIN	T375J	CHANG CHUN PLASTIC CO., LTD.	E59481	CE/2008/B3672	V
WIRE	UEWN/U MW28-C 130℃	PACIFIC ELECTRIC WIRE & CABLE (SHEN ZHEN) CO LTD.	E201757	SZR0902068357103	V
CORE	ER28/28 JPP-4	A-CORE ELECTRICAL CO.,LTD.		CANEC0804361301	V
	ER28/28 R2.5K	TIAN DU CO,LTD.		SH8136663/CHEM	
TAPE	POLYESTER FILM TAPE 1350F-1	3M COMPANY.	E17385	CE/2008/B5956	V
TUBE	T.F TUBE CB-TT	CHANG YUAN ELECTRONICS(SHEN ZHEN)CO LTD.	E180908	CANEC0802629105	V
COPPER FILM	0.05T×11W	SHEN ZHEN WEN XIANG TECH CO;LTD.		GZ090317251/CHEM GZ090317252/CHEM	V
VARNISH	V-1630FS	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC(RIPLEY RESIN).	E87039	CE/2008/C0086	V
SN	Sn Cu0~4	SHEN ZHEN TAIYO ENTERPRISES LIMITED.		CANEC0900501401	V
REMARK:					

TEST RECORD

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PART NAME: TRANSFORMER						PART NO.:						
MODEL: ER28/28						DESIGN NO.: G20-028-001						
ITEM	L		DCR						HI-POT			
S~F	3-1		3-1	4-5	10-9			P-S	P-C	S-C		
UNIT	uH		mΩ	mΩ	mΩ			3.75K	2.5V	1.5KV		
SPEC	508		451	56.4	57.3			5mA	5mA	5mA		
STD	±10%		MAX	MAX	MAX			1MIN	1MIN	1MIN		
1	506		378.1	46.4	47.9			OK	OK	OK		
2	505		383.7	46.8	47.7			OK	OK	OK		
3	512		377.0	47.0	47.1			OK	OK	OK		
4	500		378.4	46.6	47.9			OK	OK	OK		
5	508		375.7	47.2	47.7			OK	OK	OK		
6												
7												
8												



※: □ T.F TUBE

TEST EQUIPMENT:
☐ ZM-102LCR
 ☒ ZM-1062ALCR
 ☒ ZM-502AC
 ☐ ZM-1310
 ☒ ZM-9072
 ☐ ZM-3250
 (L AT 1KHz 0.25V) (DCR AT:25℃)

REMARK:	APPROVED	CHECKED	DESIGNED
	王小龍 2009/7/4	鄧曉峰 2009/7/4	溫前平 2009/7/4