

CUSTOMER: **G20**

承認書

SPECIFICATION FOR APPROVAL

CUST. MODEL NO.:

CUST. PART NO.: **AC-039**

PART NAME : TRANSFORMER

M.P. DESIGN NO.: G20-029-001

ISSUE DATE : 2009/9/22

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

--	--	--	--



MAIN POWER

金元祥有限公司

MAIN POWER TECHNOLOGY CO.,LTD.

金益宏電子股份有限公司

MAIN POWER ELECTRIC CO., LTD.

台灣省桃園縣八德市桃德路 64 號

NO. 64. TAO TE RD. PA TE CITY TAO YUAN HSIEN. TAIWAN

TEL : 886-3-3644777

FAX : 886-3-3644776

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

東莞黃江金益宏電子廠

廣東省東莞市黃江鎮田美管理區

TIAN MEI MANAGMENT AREA, HUANG JIANG TOWN, DONG GUAN CITY

GUANG DONG PROVINCE, CHINA

TEL : 86-769-83635211

FAX : 86-769-83635212

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



SPECIFICATION FOR APPROVAL

REVISIONS

PAGE: 1 OF 6

PART NAME: TRANSFORMER				PART NO.: AC-039			
MODEL: ETD29				DESIGN NO.: G20-029-001			
REV.	DATE	PAGE NO.	DESCRIPTION	APPROVED	CHECKED	DESIGNED	

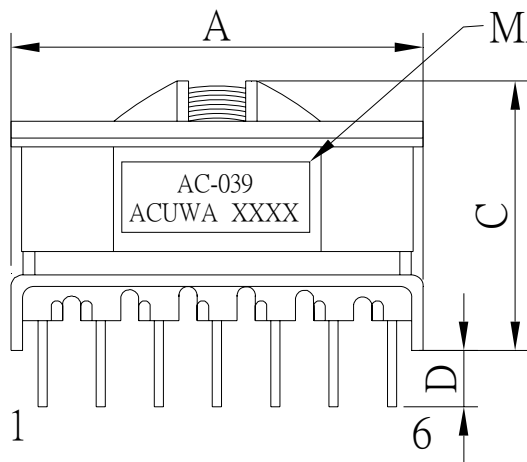
PART NAME: TRANSFORMER

PART NO.: AC-039

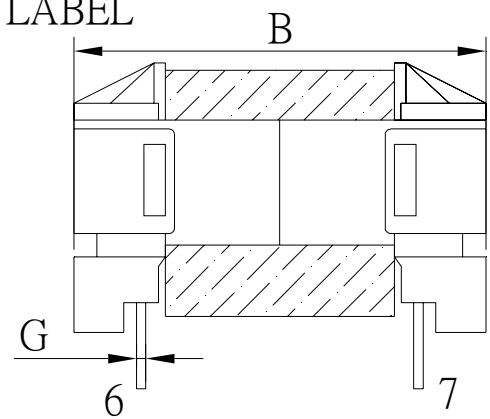
MODEL: ETD29

DESIGN NO.: G20-029-001

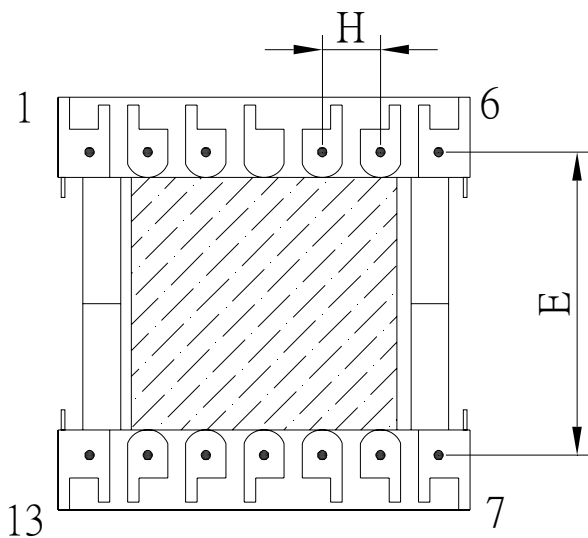
1. PHYSICAL DIMENSIONS (UNIT: m/m)



FRONT VIEW



SIDE VIEW

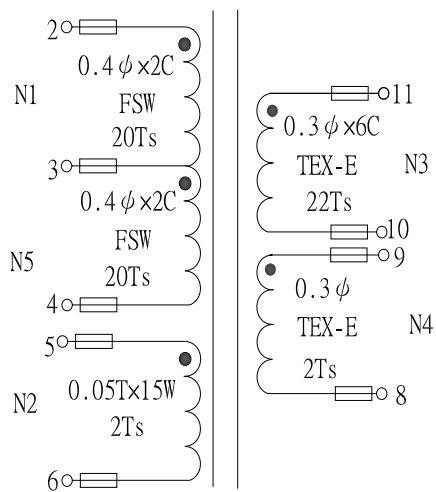


BOTTOM VIEW

ITEM	UNIT:mm
A	36MAX
B	36MAX
C	26.5MAX
D	3.5±0.5
E	25.6±0.5
G	0.8±0.1
H	5±0.5

PART NAME: TRANSFORMER	PART NO.: AC-039
MODEL: ETD29	DESIGN NO.: G20-029-001

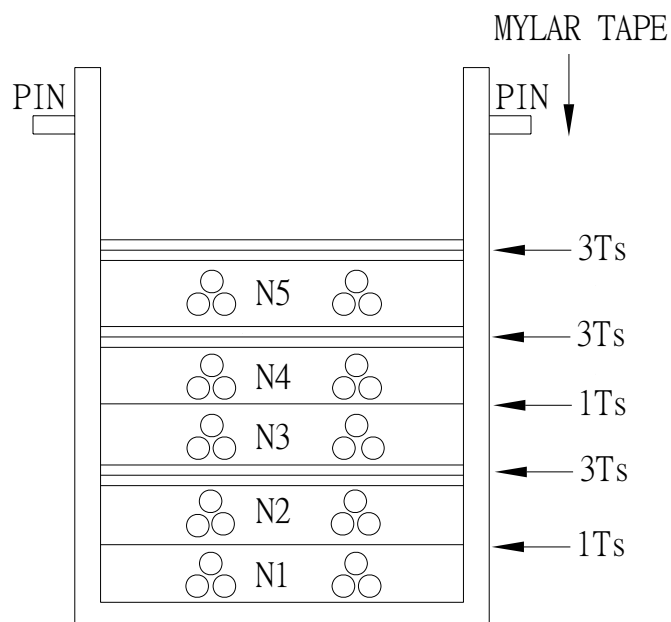
2.SCHEMATIC:



※: □ T.F TUBE

N2銅箔背膠一層反折5.0mmMIN,引線0.4 Φ .

3.WINDING CONSTRUCTION:



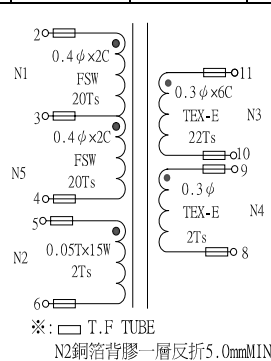
PART NAME: TRANSFORMER	PART NO.: AC-039
MODEL: ETD29	DESIGN NO.: G20-029-001
4.ELECTRICAL CHARACTERISTICS: 4-1. INDUCTANCE: (AT 100KHz 0.1V) L: (2-4):225uH $\pm 5\%$ 4-2. LEAKGE INDUCTANCE: (AT 100KHz 0.1V) LK: (2-4): 5uH MAX (OTHER PIN SHORT) 4-3. DCR: (AT: 25°C) R: (2-4): 178mΩ MAX R: (5-6): 9.6mΩ MAX R: (11-10): 62mΩ MAX R: (9-8): 55mΩ MAX 4-4. HI-POT: (AT 50Hz 1mA 1SEC) P-S:3.0KV AC P-C:1.0KV AC S-C:1.0KV AC 4-5.TURNS RATIO: T(2-4):T(5-6):T(11-10):T(9-8)=40:2:22:2 4-6. INSULATION: PRI-SEC/PRI-CORE/SEC-CORE. 100M OHM MIN. AT 500VDC 4-7. 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	

PART NAME: TRANSFORMER			PART NO.: AC-039		
MODEL: ETD29			DESIGN NO.: G20-029-001		
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
CLIP	SK-7	CHUANG CHUN ELECTRONIC, HARD WARE, MANUFACTORY.		CANEC0804810901	V
WIRE	FSW155℃	FENGCHING METAL CORP.	E172395	CANEC0902378805	V
	TEX-E	FURUKAWA ELECTRIC CO LTD.	E206440	JP/2008/110361	
CORE	ETD29/32 3C90	FERROXCUBE CO.LTD.		CANEC0900958902	V
	EER29/32 6H20	NANJING JINNING SANHUAN CO.,LTD.		SHR081011320E001	
TAPE-T	POLYESTER FILM TAPE 1350F-1	3M COMPANY.	E17385	CE/2008/B5956	V
TAPE-M	COMPOSITE FILM TAPE NO.44D-A	3M COMPANY.	E17385	CE/2008/B5958	V
TUBE	T.F TUBE CB-TT	CHANG YUAN ELECTRONICS(SHEN ZHEN)CO LTD.	E180908	CANEC0802629105	V
COPPER FILM	0.05T×15W	SHEN ZHEN WEN XIANG TECH CO;LTD.		GZ090317251/CHEM GZ090317252/CHEM	V
VARNISH	V-1630FS	P D GEORGE/VIKING (JIADI CHEMICALS CO.,LTD)	E73071	CE/2008/C0086	V
SN	Sn Cu0~4	SHEN ZHEN TAIYO ENTERPRISES LIMITED.		CANEC0900501401	V
REMARK:					

TEST RECORD

PAGE: 6 OF 6

PART NAME: TRANSFORMER								PART NO.: AC-039			
MODEL: ETD29								DESIGN NO.: G20-029-001			
ITEM	L	LK		DCR				HI-POT			Turns Ratio
S~F	2-4	2-4		2-4	5-6	11-10	9-8	P-S	P-C	S-C	T(2-4):T(5-6): T(11-10):T(9-8)
UNIT	uH	uH		mΩ	mΩ	mΩ	mΩ	3.0KV	1.0KV	1.0KV	40:2:22:2
SPEC	225	5		178	9.6	62	55	1mA	1mA	1mA	
STD	±5%	MAX		MAX	MAX	MAX	MAX	1SEC	1SEC	1SEC	
1	226.4	3.3		147.8	7.5	51.0	41.6	OK	OK	OK	OK
2	226.3	3.3		149.0	7.8	51.2	45.7	OK	OK	OK	OK
3	226.3	3.2		148.3	7.9	51.7	45.7	OK	OK	OK	OK
4	230.2	3.3		148.7	8.0	51.3	46.2	OK	OK	OK	OK
5	221.6	3.3		147.6	7.5	51.0	45.4	OK	OK	OK	OK
6	220.0	3.5		147.5	7.4	51.2	46.0	OK	OK	OK	OK
7											
8											
9											
10											



※: □ T.F. TUBE
N2銅箔背膠一層反折5.0mmMIN,引線0.4Φ.

TEST EQUIPMENT: ☐ ZM-102LCR ☒ ZM-1062ALCR ☒ ZM-502AC ☐ ZM-1310			
☒ ZM-9072 ☐ ZM-3250 (L AT 100KHz 0.1V) (DCR AT:25℃) (LK AT 100KHz 0.1V)			

REMARK:	APPROVED	CHECKED	DESIGNED
	王小龍 2009/9/22	鄧曉鋒 2009/9/22	溫前平 2009/9/22