

KV ELECTRONICS CO., LTD.

988 MOO 2,SOI THETSABAN BANG PU 60

TUMBOL THAI BAN , AMPHUR MUANG

SAMUTPRAKARN 10280

TEL. +66(0) 2701-2969 , FAX +66(0) 2701-2966

E-MAIL : kvea@loxinfo.co.th

CUSTOMER

ISSUE : 1

PART NO. :

KV NO. : 06054

REVISION : 01

PART NAME : TRANSFORMER EI-41/14.8

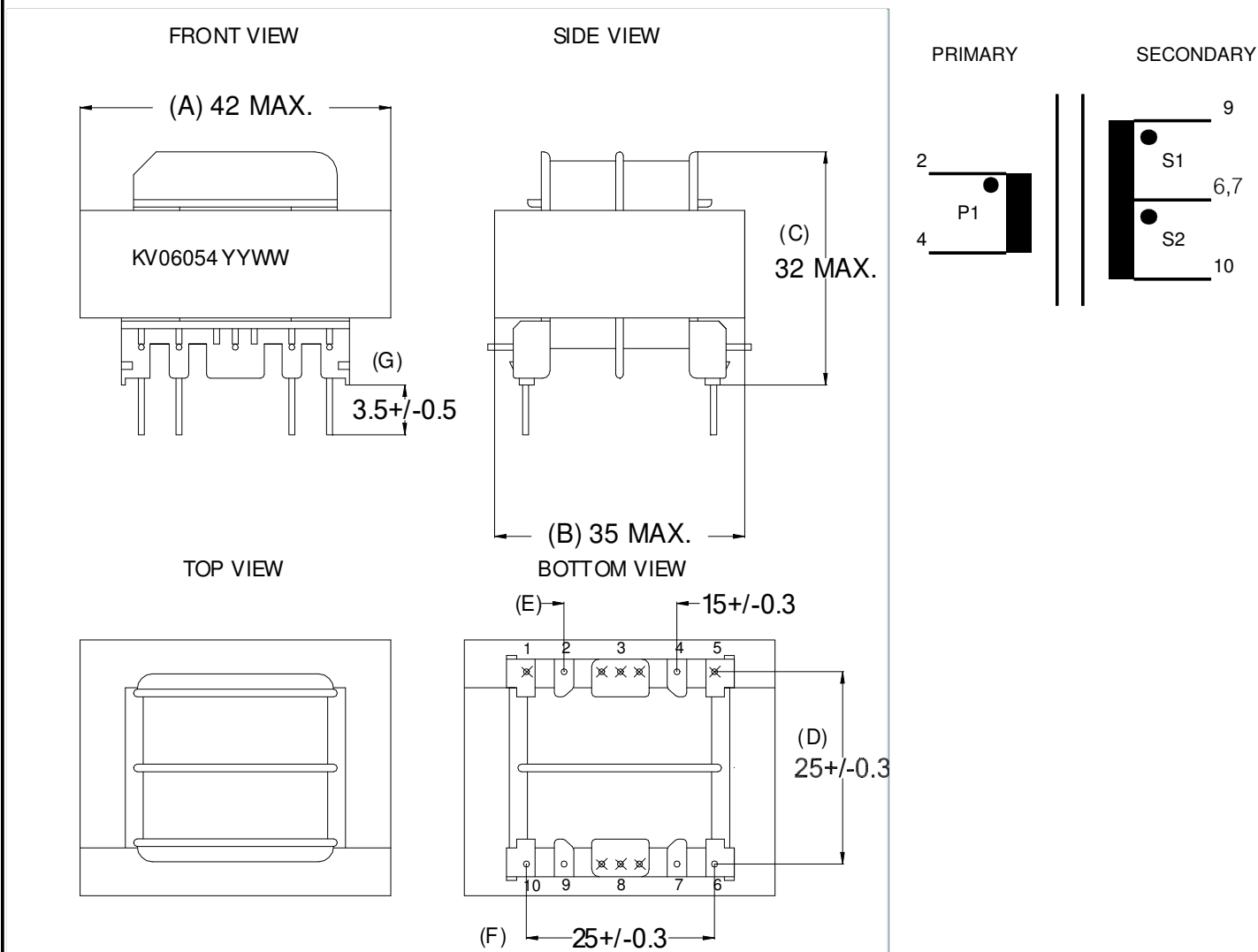
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**1. COMPONENTS ,MATERIAL AND MANUFACTURER LIST.**

<u>ITEM.</u>	<u>MATERIAL.</u>	<u>MANUFACTURER.</u>
1. BOBBIN	NYLON 6	BAYER UL NO. E41613. OR EQUIVALENT,
2. SILICON STEEL EI-41	S23 OR EQUIVALENT	BANGKOK PACIFIC STEEL OR EQUIVALENT
3. CU WIRE	POLYURETHANE ENAMELLED COPPER (B 130 DEG.C)	PACIFIC ELECTRIC WIRE & CABLE CO.,LTD. UL.NO.E84081(S). OR THAI HITACHI ENAMEL WIRE CO.,LTD. UL.NO.E137472. (S) OR EQUIVALENT
4. INSULATION TAPE	POLYESTER FILM WITH ACRYLIC ADHESIVE (130 DEG.C.)	TYPE # 35660 FOUR PILLAR ENTERPRISE CO.,LTD UL.NO.50292(S). OR TYPE # 376F W&J INTERNATIONAL (S) PTE LTD. UL NO. E148410 (S) OR EQUIVALENT
5. VARNISH	ULTIMEG 2000/380	A.E.V PLC UL NO. E220579 . OR EQUIVALENT,

**2. ELECTRICAL SPECIFICATIONS :**

- 2.1 EXCITING CURRENT - PIN 2 - 4 = 12 mA MAX.
INPUT AC 220 V, 50Hz AT PIN 2 - 4
NO LOAD
- 2.2 DC-RESISTANCE @ 25 DEG.C
- PIN 2 - 4 = 1.65 KOHMS MAX.
- PIN 9 - 6 = 10.14 OHMS MAX.
- PIN 6 - 10 = 11.50 OHMS MAX.
- 2.3 VOLTAGE OUPUT NOLOAD
INPUT AC 220 V, 50Hz AT PIN 2 - 4
- PIN 9 - 7 = 13.70 V +/- 5%
- PIN 7 - 10 = 13.70 V +/- 5%
- 2.4 HI-POTENTIAL TEST
- APPLY AC 1500 Vrms TRIP CURRENT 1 mA 50 Hz BETWEEN PRI TO SEC FOR 2 SECONDS.
- APPLY AC 1500 Vrms TRIP CURRENT 1 mA 50 Hz BETWEEN PRI , SEC TO CORE FOR 2 SECONDS.
- 2.5 PHASE CHECK

THE FIGURE OF EXTERNAL STRUCTURE AND DIMENSION IN MILIMETRE UNIT.

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TEST RECORD

ITEM	PIN NO.	SPEC	SAMPLE NO.									
			1	2	3							
EXCITING CURRENT INPUT AC 220 V, 50Hz	2 – 4	12 mA MAX.	10.5	9.72	10.48							
DC RESISTANCE @ 25 DEG.C	2 - 4	1.65 KOHMS MAX.	1.39	1.38	1.39							
	9 - 6	10.14 OHMS MAX.	8.86	8.45	8.44							
	6 - 10	11.50 OHMS MAX.	9.67	9.70	9.62							
VOLTAGE RATIO TEST INPUT AC 220 V, 50Hz PIN 2 - 4	9 – 6	13.70 V +/- 5%	13.69	13.64	13.70							
	6 – 10	13.70 V +/- 5% (NO LOAD)	13.63	13.62	13.72							
HI-POTENTIAL TEST 1mA 50Hz	APPLY AC 1500V BETWEEN P1 TO S1, S2 FOR 2 SEC. APPLY AC 1500V BETWEEN P1, S1, S2 TO CORE FOR 2 SEC.									PASSED PASSED		
PHASE CHECK	FOLLOW TO SCHEMATIC DIAGRAM									PASSED		

DIMENSION.

SAMPLE NO.	A	B	C	D	E	F	G
1.	41.46	33.50	29.60	25.26	14.92	24.89	5.00
2.	41.56	33.43	29.61	25.06	14.84	24.89	5.00
3.	41.72	33.47	29.53	24.99	14.83	24.80	5.00

DATE : 6 March 2006

TESTED BY : SOMDEE

CHECKED BY : ANIRUT