

SEALED TRANSFORMER, PCB 2VA EI 30-15.5 SERIES

1. ELECTRICAL SPECIFICATIONS:

A. Input Voltage and Frequency: 115/230V @ 50/60 Hz

B. Secondary Voltage: See Electrical Table

C. Ambient Temperature: 70° C MAX allowed.

D. Insulation Resistance:

100M Ohm Min @ 500VDC PRI. to SEC.

E. Hi-Pot:

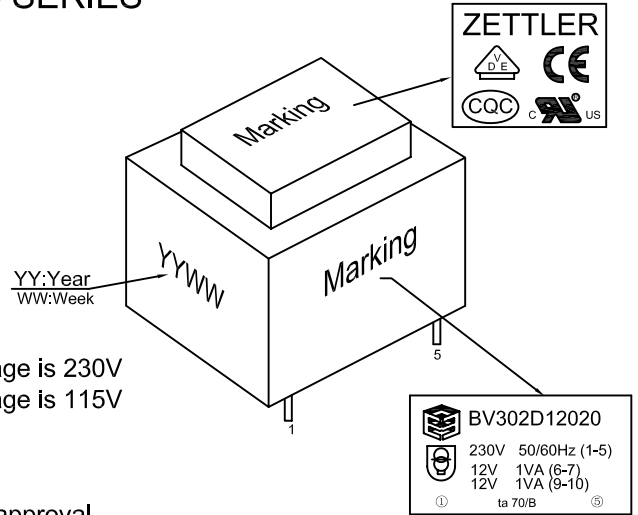
4200Vrms 1 minute @ PRI. to SEC. ,when the primary input voltage is 230V

2800Vrms 1 minute @ PRI. to SEC. ,when the primary input voltage is 115V

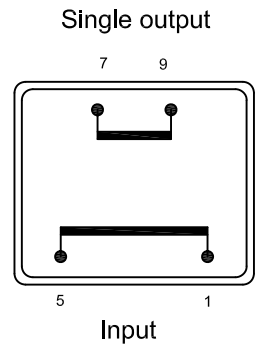
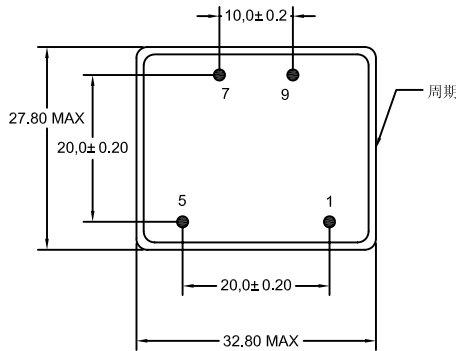
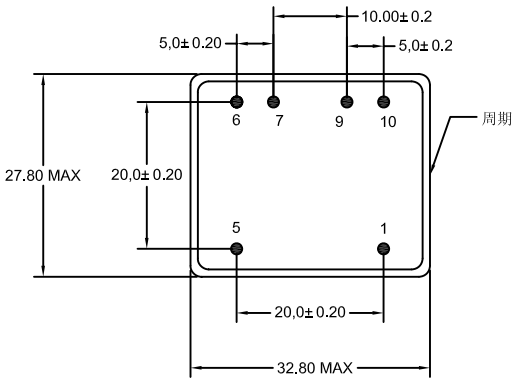
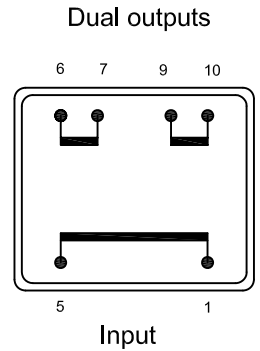
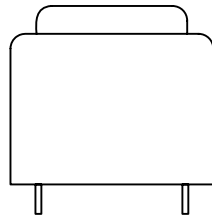
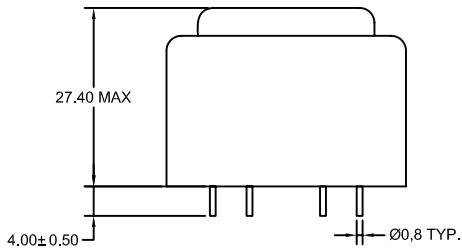
F. Approvals:

UL506,UL1585 class 2 and class 3,VDE,EN61558,EN60950

H. When the primary is 115V input,the transformer are non CQC approval.



2. MECHANICAL SPECIFICATIONS:



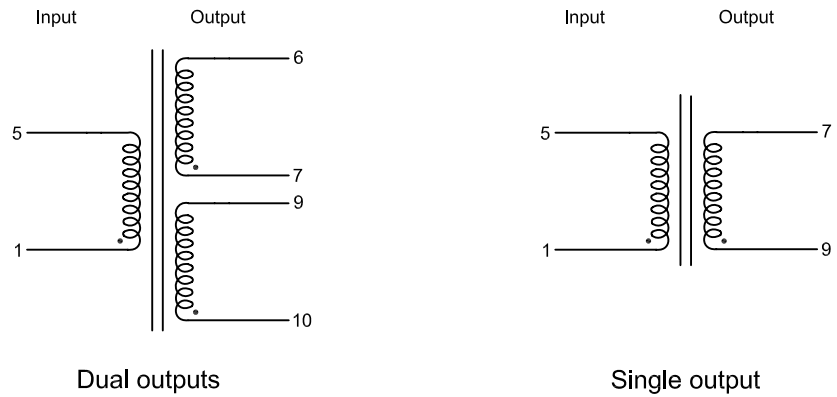
REV.	DESCRIPTION	DRAWN	DATE(M/D/Y)

TOLERANCE	SCALE NOT 1:1	UNIT mm	DATE (M/D/Y)	MODEL DESCRIPTION
X	± 0.3	DRAWN	Janise	2008-1-16
X.X	± 0.2	CHECKED		
X.XX	± 0.1	APPROVED		
THICKNESS	/			
REV.	A0			

ZETTLER MAGNETICS
TITLE
EI 30-15.5 2VA

MATERIAL
120° C or higher
MODEL:
EI 30-15.5 2VA
SHEET: 1 OF 2

3. SCHEMATIC DIAGRAM:



4. ELECTRICAL TABLE:

Part Number (Input:115V)	Part Number (Input:230V)	Secondary Voltage (V)		Secondary current (mA)	No-load Voltage (V)(max)	Ambient temperature (°C)	Rated Power (VA)
BV301S06020	BV302S06020	6±10%		333	10.4	T 70 B	2
BV301S09020	BV302S09020	9±10%		222	15.5	T 70 B	2
BV301S12020	BV302S12020	12±10%		167	20.7	T 70 B	2
BV301S15020	BV302S15020	15±10%		133	25.8	T 70 B	2
BV301S18020	BV302S18020	18±10%		111	30.8	T 70 B	2
BV301S24020	BV302S24020	24±10%		83	41.4	T 70 B	2
BV301D06020	BV302D06020	6±10%	6±15%	2×167	2×10.4	T 70 B	2
BV301D09020	BV302D09020	9±10%	9±15%	2×111	2×15.4	T 70 B	2
BV301D12020	BV302D12020	12±10%	12±15%	2×83	2×20.7	T 70 B	2
BV301D15020	BV302D15020	15±10%	15±15%	2×67	2×25.0	T 70 B	2
BV301D18020*	BV302D18020*	18±10%	18±15%	2×56	2×30.8	T 70 B	2
BV301D24020*	BV302D24020*	24±10%	24±15%	2×42	2×41.4	T 70 B	2

* To be noted:*marked transformers are non VDE approved.
Those transformers meet all requirement of EN61558-2-4.

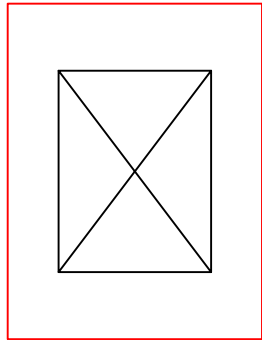
REV.	DESCRIPTION	DRAWN	DATE(M/D/Y)
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TOLERANCE		SCALE NOT 1:1	UNIT mm	DATE (M/D/Y)	MODEL DESCRIPTION	
X	± 0.3	DRAWN	Janise	2008-1-16	ZETTLER MAGNETICS TITLE EI 30-15.5 2VA	MATERIAL 120° C or higher
X.X	± 0.2	CHECKED				MODEL: EI 30-15.5 2VA
X.XX	± 0.1	APPROVED				
THICKNESS	/					
REV.	A0					SHEET: 2 OF 2

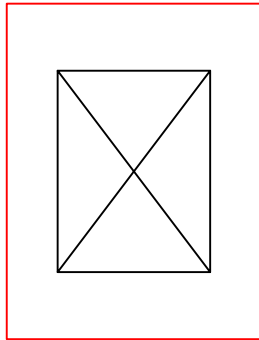
— LAMINATION

□ COIL

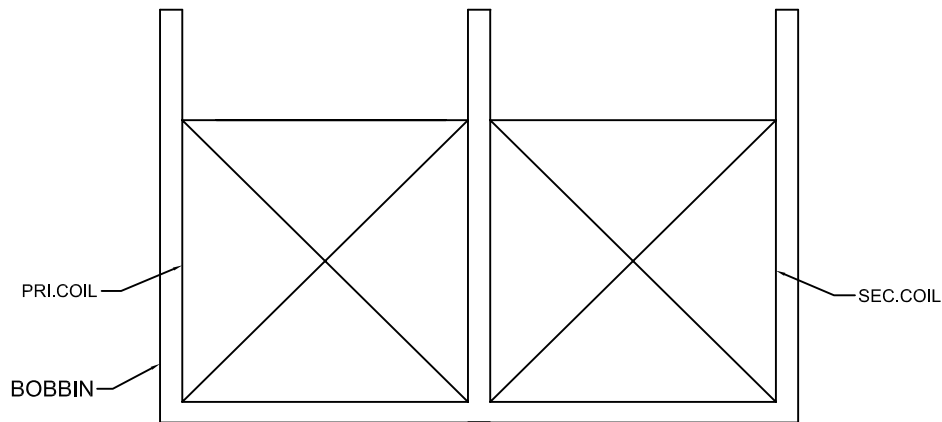
⊗ BOBBIN



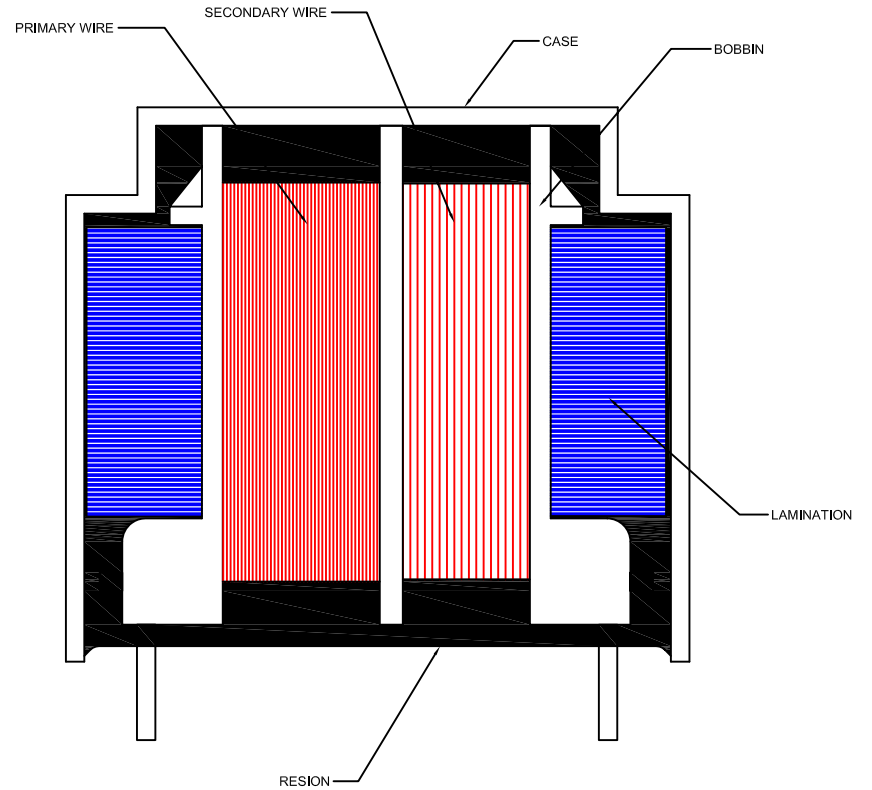
PRIMARY



SECONDARY



REVISIONS			
REV	DESCRIPTION	DATE	BY



MATERIAL	TOLERANCES UNLESS OTHERWISE NOTED ANGLES ± 1/4 FRACMONS ± 0.4 MM DECIMALS XX ± .3 XXX ± .15	ZETTLER MAGNETICS		
FINISH	DATE			TITLE
DATE	DRAWN Janise	DATE 2008-1-16	EI30-15.5 2VA	NOT 1:1
ZM APPROVED	CHECKED	DATE	USED ON:	DRG. NO. EI30-15.5 2VA
APPROVED	DATE	DATE		SHT 1
				OF 1
				REV. A0

REVISIONS			
REV	DESCRIPTION	DATE	BY

MATERIAL	PART NO.	MANUFACTURER	UL FILE NO.	MATERIAL DESCRIPTION
BOBBIN	EI30*15.5	BASF AKTIENGESELLSCHAFT	E41871	A3X2G5
CASE	EI30*15.5	BASF AKTIENGESELLSCHAFT	E41871	A3X2G5
MAGNET WIRE	UEW	ELEKTRISOLA HANGZHOU CO LTD XIAMEN HUNG'S ENTERPRISE CO LTD TA YA ELECTRIC WIRE FACTORY GUANGDONG RONSEN SUPER	E258243 E219154 E197768 E164502	MW79 POLYURETHANE COATED(155°)
RESIN	PU 552 FL (c)	WEVO-CHEMIE GMBH	E108835	

MATERIAL	TOLERANCES UNLESS OTHERWISE NOTED		ZETTLER MAGNETICS		
FINISH	ANGLES ± 1/4 FRACMONS ± 0.4 MM DECIMALS XX ± .3 XXX ± .15				
DATE	DRAWN Janise	DATE 2008-1-16	EI30-15.5 2VA		DRG. NO.
ZM APPROVED	CHECKED	DATE	USED ON:		SHT 1
	APPROVED	DATE			OF 1
					REV. A0