

SEALED TRANSFORMER, PCB 1VA EI 30-10.5 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:

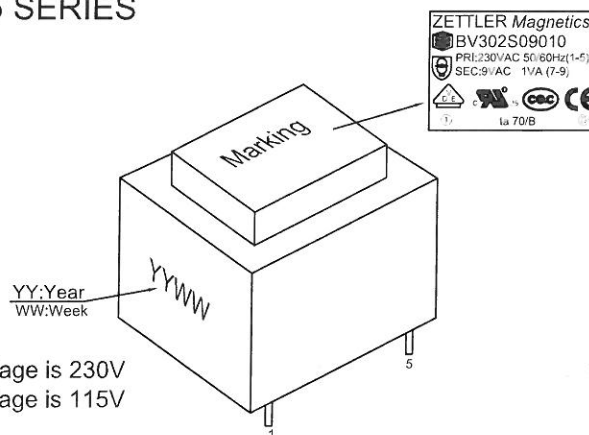
4200Vrms 1 minute @ PRI. to SEC. ,when the primary input voltage is 230V

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

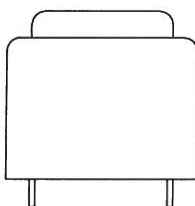
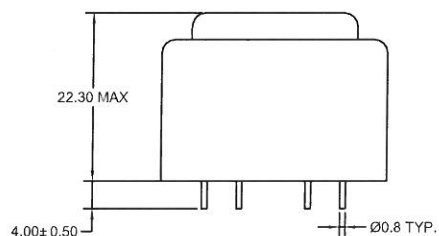
F. Approvals:

UL5085 class 2 and class 3,VDE,EN61558,EN60950

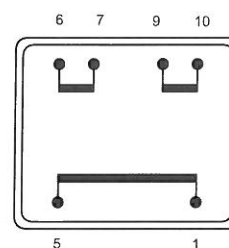
H. When the primary is 115V input,the transformer are non CQC approval.



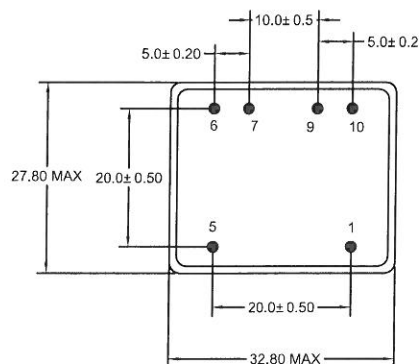
2. MECHANICAL SPECIFICATIONS:



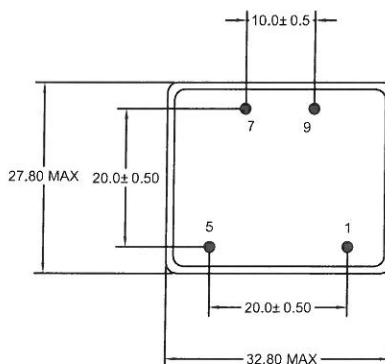
Dual outputs



Input

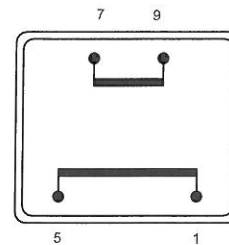


Dual outputs



Single output

Single output

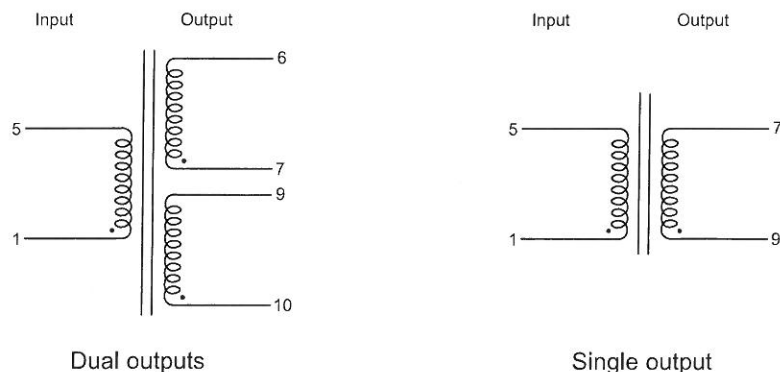


Input

A1	Changed label according to vde require	Janise	2014-11-14
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	ZETTLER MAGNETICS	MATERIAL 120° C or higher
X.X	± 0.2	CHECKED			MODEL:
X.XX	± 0.1	APPROVED			EI 30-10.5 1VA
THICKNESS	/				SHEET: 1 OF 2
REV.	A1			TITLE EI 30-10.5 1VA	

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)
BV301S06010	BV302S06010	6±10%		166	8.6	T 70 B	1
BV301S09010	BV302S09010	9±10%		111	13.6	T 70 B	1
BV301SI0010	BV302SI0010	10±10%		100	14.2	T 70 B	1
BV301SI2010	BV302SI2010	12±10%		83	17.2	T 70 B	1
BV301SI5010	BV302SI5010	15±10%		66	21.6	T 70 B	1
BV301SI8010	BV302SI8010	18±10%		55	25.9	T 70 B	1
BV301S24010	BV302S24010	24±10%		41	37.9	T 70 B	1
BV301D06010	BV302D06010	6±10%	6±15%	2×83	2×8.6	T 70 B	1
BV301D09010	BV302D09010	9±10%	9±15%	2×56	2×13.6	T 70 B	1
BV301D10010	BV302D10010	10±10%	10±15%	2×50	2×14.2	T 70 B	1
BV301D12010	BV302D12010	12±10%	12±15%	2×42	2×19	T 70 B	1
BV301D15010	BV302D15010	15±10%	15±15%	2×33	2×23.6	T 70 B	1
BV301D18010*	BV302D18010*	18±10%	18±15%	2×28	2×24.9	T 70 B	1
BV301D24010*	BV302D24010*	24±10%	24±15%	2×21	2×37.9	T 70 B	1

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

TOLERANCE		SCALE NOT 1:1	UNIT mm	DATE (M/D/Y)	MODEL DESCRIPTION			
X	±0.3	DRAWN	Janise	2014-11-14	ZETTLER MAGNETICS TITLE EI 30-10.5 1VA			
X.X	±0.2	CHECKED						
X.XX	±0.1	APPROVED						
THICKNESS	/							
REV.	A1				MATERIAL 120° C or higher MODEL: EI 30-10.5 1VA SHEET: 2 OF 2			

A1	ADD BV302S10010 TO LIST	Janise	2014-11-14
REV.	DESCRIPTION	DRAWN	DATE(M/D/Y)