

# SEALED TRANSFORMER, PCB 1.2VA 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: 50° C MAX allowed.

D. Insulation Resistance:

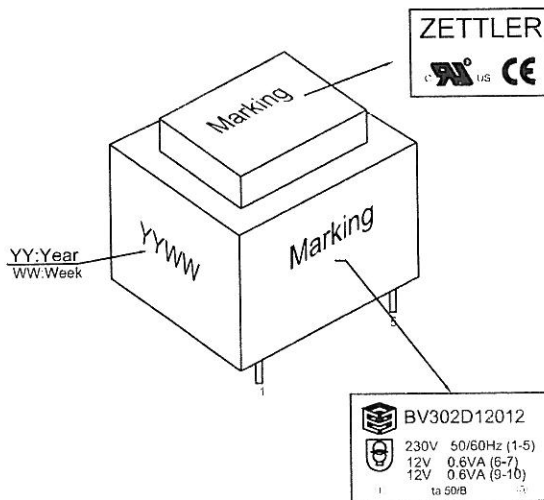
100M Ohm Min @ 500VDC PRI. to SEC.

E. Hi-Pot:

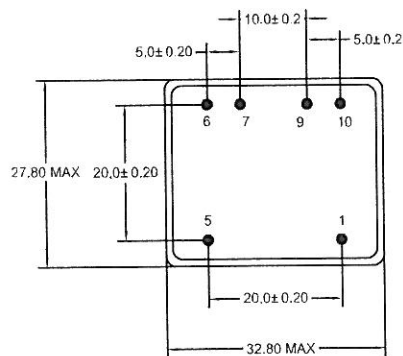
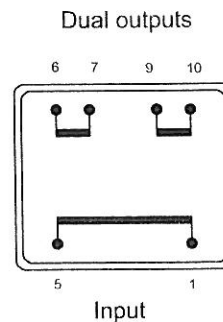
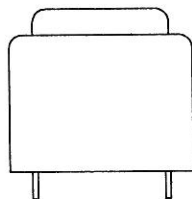
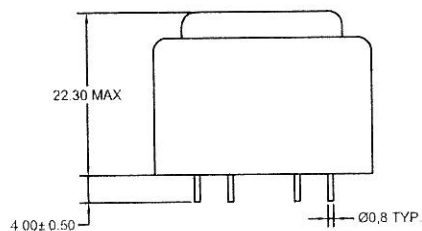
4200Vrms 1mA 1second @ PRI. to SEC.

F. Approvals:

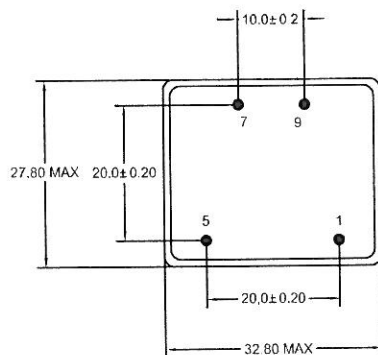
UL506



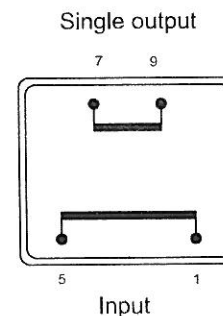
## 2. MECHANICAL SPECIFICATIONS:



Dual outputs



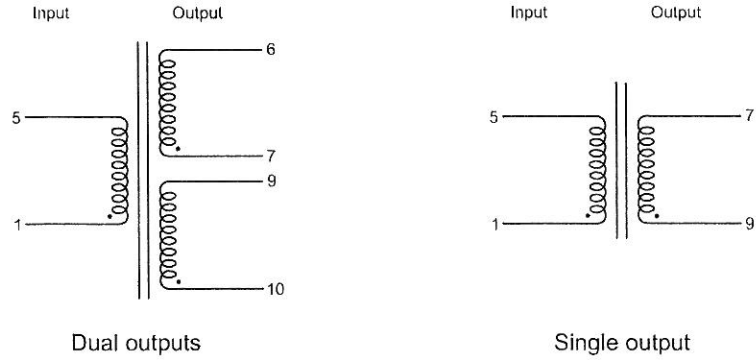
Single output



A2	added UL mark	Winston	2008-7-29
A1	Changed the hi-pot. from 2800V to 4200V for 115V primary	Winston	2008-3-18
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 1.2VA
THICKNESS	/				SHEET: 1 OF 2
REV.	A0			TITLE EI 30-10.5 1.2VA	

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)
BV301S06012	BV302S06012	6±10%		200	8.3	T 50 B	1.2
BV301S09012	BV302S09012	9±10%		133	12.5	T 50 B	1.2
BV301S12012	BV302S12012	12±10%		100	16.6	T 50 B	1.2
BV301S15012	BV302S15012	15±10%		80	20.8	T 50 B	1.2
BV301S18012	BV302S18012	18±10%		67	25.7	T 50 B	1.2
BV301S24012	BV302S24012	24±10%		50	33.3	T 50 B	1.2
BV301D06012	BV302D06012	6±10%	6±15%	2×100	2×8.3	T 50 B	1.2
BV301D09012	BV302D09012	9±10%	9±15%	2×67	2×12.5	T 50 B	1.2
BV301D12012	BV302D12012	12±10%	12±15%	2×50	2×16.6	T 50 B	1.2
BV301D15012	BV302D15012	15±10%	15±15%	2×40	2×20.8	T 50 B	1.2
BV301D18012*	BV302D18012*	18±10%	18±15%	2×33	2×25	T 50 B	1.2
BV301D24012*	BV302D24012*	24±10%	24±15%	2×25	2×33.3	T 50 B	1.2

TOLERANCE		SCALE NOT 1:1	UNIT mm	DATE (M/D/Y)	REV.	DESCRIPTION	DRAWN	DATE(M/D/Y)
X	±0.3	DRAWN	Janise	2008-2-19				
X.X	±0.2	CHECKED						
X.XX	±0.1	APPROVED						
THICKNESS	/							
REV.	A0							
MODEL DESCRIPTION					ZETTLER MAGNETICS		MATERIAL	
							120° C or higher	
					TITLE		MODEL:	
EI 30-10.5 1.2VA								
					EI 30-10.5 1.2VA		SHEET: 2 OF 2	