

# 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.

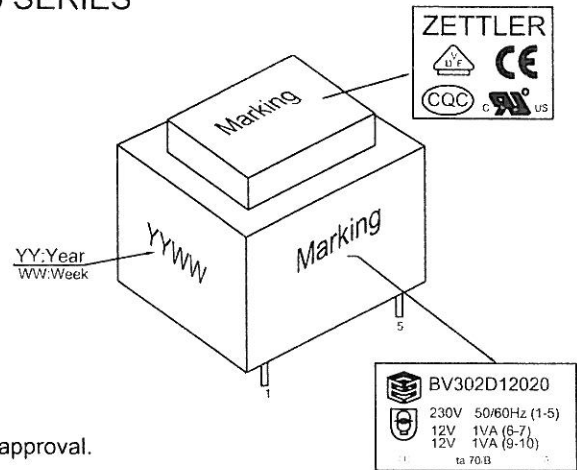
E. Hi-Pot:

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

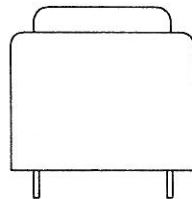
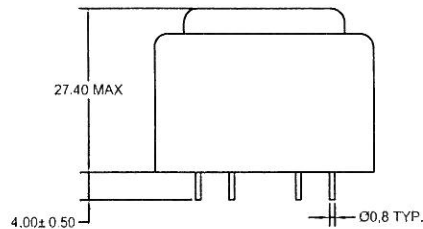
F. Approvals:

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

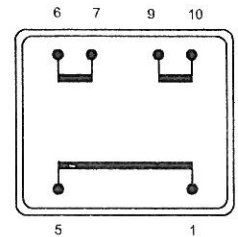
G. When the primary is 115V input,the transformer are non CQC approval.



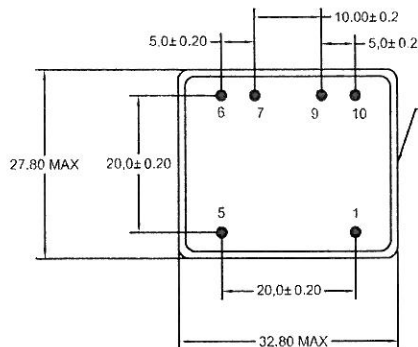
## 2. MECHANICAL SPECIFICATIONS:



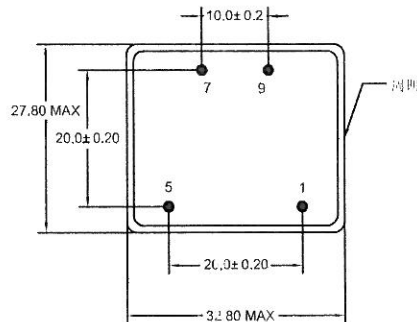
Dual outputs



Input

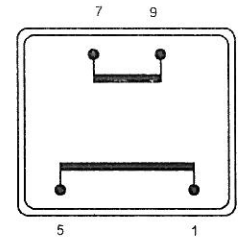


Dual outputs



Single output

Single output

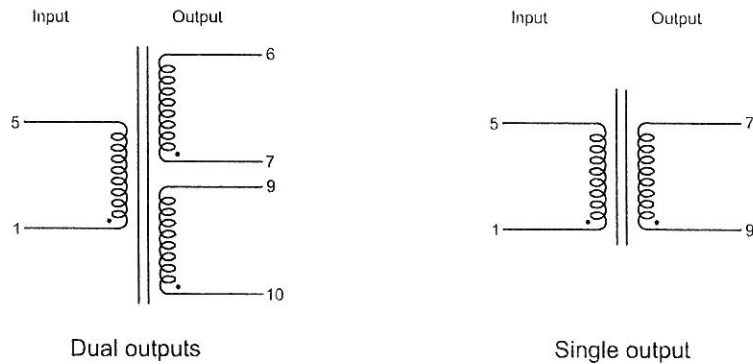


Input

| REV. | DESCRIPTION                                             | DRAWN   | DATE(M/D/Y) |
|------|---------------------------------------------------------|---------|-------------|
| A1   | Changed the hi-pot from 2800V to 4200V for 115V primary | Winston | 2008-3-18   |

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

### 3. SCHEMATIC DIAGRAM:



### 4. ELECTRICAL TABLE:

| Part Number<br>(Input:115V) | Part Number<br>(Input:230V) | Secondary<br>Voltage<br>(V) |        | Secondary<br>current<br>(mA) | No-load<br>Voltage<br>(V)(max) | Ambient<br>temperature<br>(°C) | Rated Power<br>(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.

|                                                         |       |                  |            |                 |                             |             |                              |             |
|---------------------------------------------------------|-------|------------------|------------|-----------------|-----------------------------|-------------|------------------------------|-------------|
| Those transformers meet all requirement of EN61558-2-4. |       |                  |            |                 |                             |             |                              |             |
|                                                         |       |                  |            |                 | REV.                        | DESCRIPTION | DRAWN                        | DATE(M/D/Y) |
| TOLERANCE                                               |       | SCALE<br>NOT 1:1 | UNIT<br>mm | DATE<br>(M/D/Y) | MODEL DESCRIPTION           |             |                              |             |
| X                                                       | ± 0.3 | DRAWN            | Janise     | 2008-1-16       | ZETTLER MAGNETICS           |             | MATERIAL<br>120° C or higher |             |
| X.X                                                     | ± 0.2 | CHECKED          |            |                 |                             |             | MODEL:                       |             |
| X.XX                                                    | ± 0.1 | APPROVED         |            |                 | TITLE<br><br>EI 30-15.5 2VA |             | EI 30-15.5 2VA               |             |
| THICKNESS                                               | /     |                  |            |                 |                             |             | SHEET: 2 OF 2                |             |
| REV.                                                    | A0    |                  |            |                 |                             |             |                              |             |