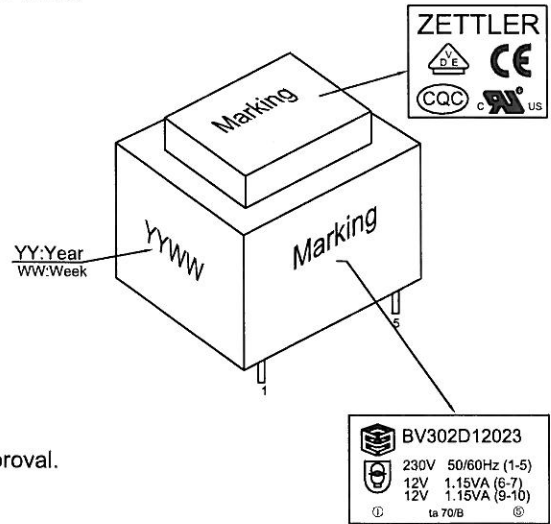


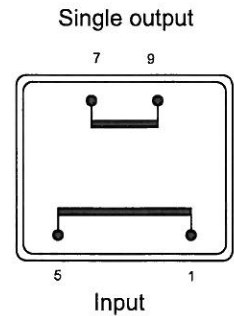
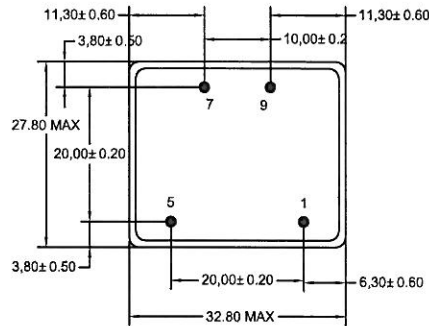
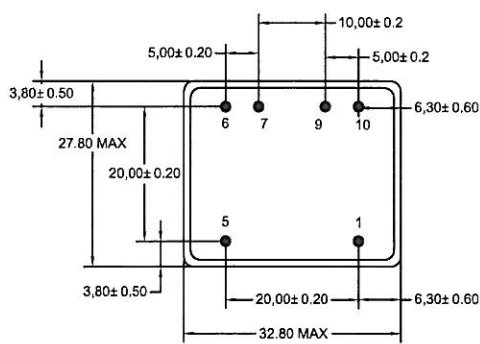
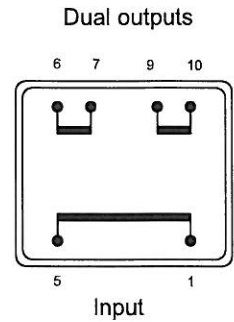
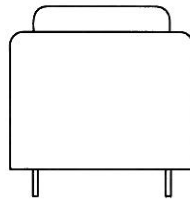
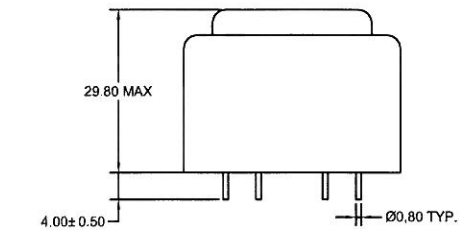
SEALED TRANSFORMER, PCB 2.3VA EI 30-18 SERIES

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:



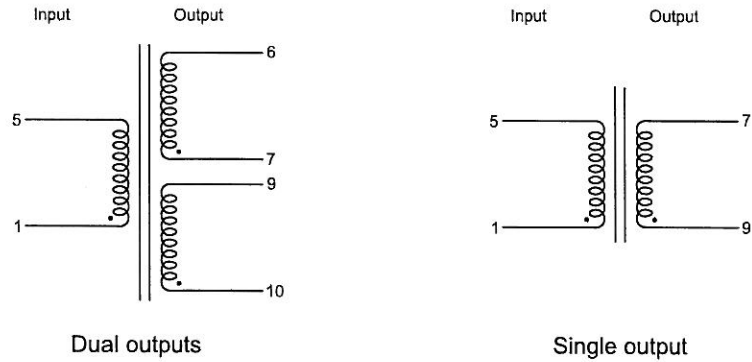
Dual outputs

Single output

| | | | |
|------|---|---------|-------------|
| A2 | Added dimension measurements | Winston | 2008-7-17 |
| 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 | 2008-1-16 | ZETTLER MAGNETICS |
| X.X | ± 0.2 | CHECKED | | | |
| X.XX | ± 0.1 | APPROVED | | | |
| THICKNESS | / | | | | TITLE |
| REV. | A0 | | | | EI 30-18 2.3VA |
| | | | | | MATERIAL |
| | | | | | 120° C or higher |
| | | | | | MODEL: |
| | | | | | EI 30-18 2.3VA |
| | | | | | 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) |
|------------------------------|------------------------------|-----------------------------|--------|------------------------------|--------------------------------|--------------------------------|---------------------|
| BV301S06023 | BV302S06023 | 6±10% | | 383 | 10.5 | T 70 B | 2.3 |
| BV301S09023 | BV302S09023 | 9±10% | | 256 | 15.7 | T 70 B | 2.3 |
| BV301S12023 | BV302S12023 | 12±10% | | 192 | 21 | T 70 B | 2.3 |
| BV301S15023 | BV302S15023 | 15±10% | | 153 | 25.9 | T 70 B | 2.3 |
| BV301S18023 | BV302S18023 | 18±10% | | 128 | 31.4 | T 70 B | 2.3 |
| BV301S24023 | BV302S24023 | 24±10% | | 96 | 41.9 | T 70 B | 2.3 |
| BV301D06023 | BV302D06023 | 6±10% | 6±15% | 2×192 | 2×10.5 | T 70 B | 2.3 |
| BV301D09023 | BV302D09023 | 9±10% | 9±15% | 2×128 | 2×15.7 | T 70 B | 2.3 |
| BV301D12023 | BV302D12023 | 12±10% | 12±15% | 2×96 | 2×21 | T 70 B | 2.3 |
| BV301D15023 | BV302D15023 | 15±10% | 15±15% | 2×77 | 2×25.0 | T 70 B | 2.3 |
| BV301D18023* | BV302D18023* | 18±10% | 18±15% | 2×64 | 2×31.4 | T 70 B | 2.3 |
| BV301D24023* | BV302D24023* | 24±10% | 24±15% | 2×48 | 2×41.9 | T 70 B | 2.3 |

* 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) | REV. | DESCRIPTION | DRAWN | DATE(M/D/Y) |
|-----------|-------|------------------|------------|-----------------|------|-------------|-------|-------------|
| X | ± 0.3 | DRAWN | Janise | 2008-1-16 | | | | |
| X.X | ± 0.2 | CHECKED | | | | | | |
| X.XX | ± 0.1 | APPROVED | | | | | | |
| THICKNESS | / | | | | | | | |
| REV. | A0 | | | | | | | |

| | | |
|---|--|------------------------------|
| MODEL DESCRIPTION | | MATERIAL 120° C or higher |
|  ZETTLER MAGNETICS TITLE EI 30-18 2.3VA | | MODEL: EI 30-18 2.3VA |
| | | SHEET: 2 OF 2 |