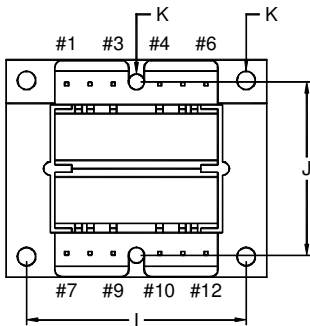
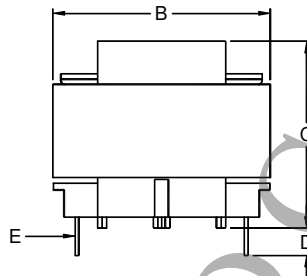
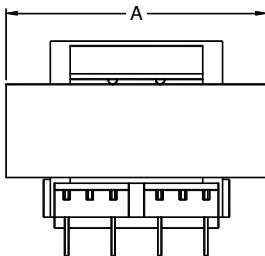


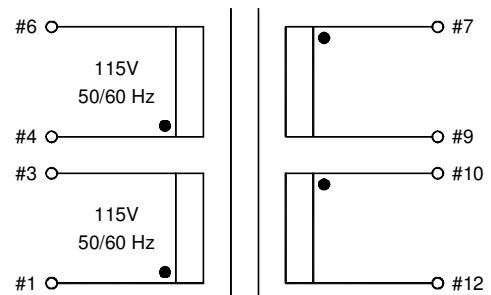
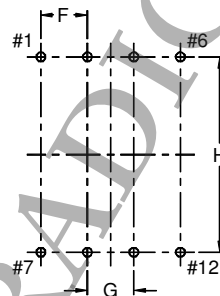


## TL88 Series

- Power – 2.5VA to 56VA
- Dielectric strength – 4000Vrms
- Primary – Dual primary (115V/230V 50/60Hz)
- Secondary – Series or parallel
- Insulation class – Class F (155°C)
- Agency approvals
  - UL: UL506; C-UL: CSA C22.2 #66
  - TUV / CE: EN60950



Bottom View



Schematic

| Product Series   | Dimension (mm) |      |      |      |        |       |       |      |      |      |      | Weight (g) |
|------------------|----------------|------|------|------|--------|-------|-------|------|------|------|------|------------|
|                  | A              | B    | C    | D    | E      | F     | G     | H    | I    | J    | K    |            |
| 2.5 VA           | 42.0           | 34.0 | 29.6 | 4.5  | SQ0.64 | 5.08  | 6.35  | 25.4 | --   | 27.0 | Ø2.8 | 110        |
| 5.0 VA           | 42.0           | 34.0 | 35.9 | 4.5  | SQ0.64 | 5.08  | 10.16 | 25.4 | --   | 27.0 | Ø2.8 | 170        |
| 10 VA            | 49.0           | 41.0 | 35.9 | 4.5  | SQ0.8  | 5.08  | 10.16 | 29.0 | --   | 32.0 | Ø3.0 | 250        |
| 20 VA            | 58.0           | 48.5 | 42.3 | 4.5  | SQ0.8  | 10.16 | 10.16 | 37.0 | --   | 38.0 | Ø3.5 | 430        |
| 30 VA            | 67.0           | 56.0 | 40.7 | 4.5  | SQ1.0  | 14.0  | 7.0   | 42.7 | 56.0 | 44.0 | Ø4.0 | 500        |
| 56 VA            | 77.0           | 64.5 | 47.0 | 4.5  | SQ1.0  | 15.2  | 7.6   | 48.3 | 64.0 | 50.8 | Ø4.5 | 800        |
| <b>Tolerance</b> | max.           | max. | max. | ±1.0 | ±0.1   | ±0.2  | ±0.3  | ±0.5 | ±0.5 | ±0.5 | max. | approx.    |

Note : Dimension "E" is pin size, and dimension "K" is the maximum allowable screw size.

| Product Series | Part Number | Input Voltage (V) | Secondary RMS Rating |             | ta (°C) |
|----------------|-------------|-------------------|----------------------|-------------|---------|
|                |             |                   | Series               | Parallel    |         |
| 2.5 VA         | TL88-025-10 | 2 x 115           | 10V @ 0.25A          | 5V @ 0.5A   | 60      |
|                | TL88-025-12 |                   | 12.6V @ 0.2A         | 6.3V @ 0.4A |         |
|                | TL88-025-16 |                   | 16V @ 0.15A          | 8V @ 0.3A   |         |
|                | TL88-025-20 |                   | 20V @ 0.12A          | 10V @ 0.25A |         |
|                | TL88-025-24 |                   | 24V @ 0.1A           | 12V @ 0.2A  |         |
|                | TL88-025-28 |                   | 28V @ 0.09A          | 14V @ 0.18A |         |
|                | TL88-025-36 |                   | 36V @ 0.07A          | 18V @ 0.14A |         |
| 5.0 VA         | TL88-050-10 | 2 x 115           | 10V @ 0.5A           | 5V @ 1.0A   | 60      |
|                | TL88-050-12 |                   | 12.6V @ 0.4A         | 6.3V @ 0.8A |         |
|                | TL88-050-16 |                   | 16V @ 0.31A          | 8V @ 0.62A  |         |
|                | TL88-050-20 |                   | 20V @ 0.25A          | 10V @ 0.5A  |         |
|                | TL88-050-24 |                   | 24V @ 0.21A          | 12V @ 0.42A |         |
|                | TL88-050-28 |                   | 28V @ 0.18A          | 14V @ 0.36A |         |
|                | TL88-050-36 |                   | 36V @ 0.14A          | 18V @ 0.28A |         |
| 10 VA          | TL88-100-10 | 2 x 115           | 10V @ 1.0A           | 5V @ 2.0A   | 40      |
|                | TL88-100-12 |                   | 12.6V @ 0.8A         | 6.3V @ 1.6A |         |
|                | TL88-100-16 |                   | 16V @ 0.62A          | 8V @ 1.25A  |         |
|                | TL88-100-20 |                   | 20V @ 0.5A           | 10V @ 1.0A  |         |
|                | TL88-100-24 |                   | 24V @ 0.42A          | 12V @ 0.83A |         |
|                | TL88-100-28 |                   | 28V @ 0.36A          | 14V @ 0.72A |         |
|                | TL88-100-36 |                   | 36V @ 0.28A          | 18V @ 0.56A |         |
| 20 VA          | TL88-200-10 | 2 x 115           | 10V @ 2.0A           | 5V @ 4.0A   | 40      |
|                | TL88-200-12 |                   | 12.6V @ 1.6A         | 6.3V @ 3.2A |         |
|                | TL88-200-16 |                   | 16V @ 1.25A          | 8V @ 2.5A   |         |
|                | TL88-200-20 |                   | 20V @ 1.0A           | 10V @ 2.0A  |         |
|                | TL88-200-24 |                   | 24V @ 0.83A          | 12V @ 1.66A |         |
|                | TL88-200-28 |                   | 28V @ 0.72A          | 14V @ 1.44A |         |
|                | TL88-200-36 |                   | 36V @ 0.56A          | 18V @ 1.12A |         |
| 30 VA          | TL88-300-10 | 2 x 115           | 10V @ 3.0A           | 5V @ 6.0A   | 40      |
|                | TL88-300-12 |                   | 12.6V @ 2.4A         | 6.3V @ 4.8A |         |
|                | TL88-300-16 |                   | 16V @ 1.9A           | 8V @ 3.8A   |         |
|                | TL88-300-20 |                   | 20V @ 1.5A           | 10V @ 3.0A  |         |
|                | TL88-300-24 |                   | 24V @ 1.25A          | 12V @ 2.5A  |         |
|                | TL88-300-28 |                   | 28V @ 1.06A          | 14V @ 2.12A |         |
|                | TL88-300-36 |                   | 36V @ 0.82A          | 18V @ 1.64A |         |
| 56 VA          | TL88-560-10 | 2 x 115           | 10V @ 5.6A           | 5V @ 11.2A  | 40      |
|                | TL88-560-12 |                   | 12.6V @ 4.4A         | 6.3V @ 8.8A |         |
|                | TL88-560-16 |                   | 16V @ 3.5A           | 8V @ 7.0A   |         |
|                | TL88-560-20 |                   | 20V @ 2.8A           | 10V @ 5.6A  |         |
|                | TL88-560-24 |                   | 24V @ 2.33A          | 12V @ 4.66A |         |
|                | TL88-560-28 |                   | 28V @ 2.0A           | 14V @ 4.0A  |         |
|                | TL88-560-36 |                   | 36V @ 1.56A          | 18V @ 3.12A |         |