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## Low Voltage PCB Mount - Universal - 2.5 VA to 56 VA 183 Series

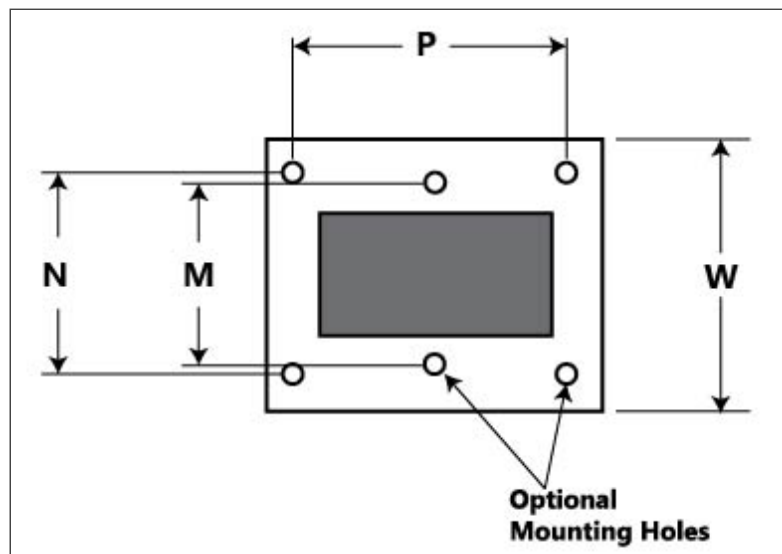
### Features



- Universal operation - dual primary. 115 or 230 VAC, 50/60 Hz current.
- 14 output voltages to choose from (5 - 36 VAC R.M.S.)
- Six VA size models available from - 2.5 to 56VA.
- Low profile, split bobbin with top shroud design.
- Dual winding secondaries, non-concentrically wound. Can be wired in series, parallel or used separately.
- Low primary to secondary coupling - no electrostatic shield required.
- High insulation - Hipot of 4,000V RMS.
- Class F insulation - 155 degrees C.
- Two hole mounting on 2.5, 5, 10 and 20VA sizes, four hole mounting on 30 and 56VA size (mounting screws not provided).
- P.C. board mount with industry standard pin spacing.
- Listings: cUL

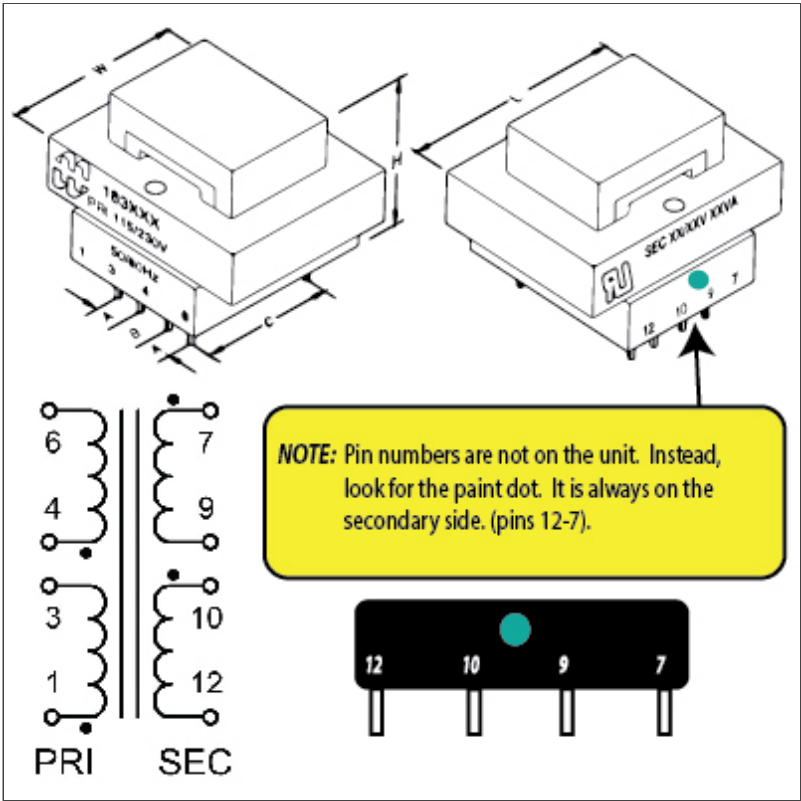
### Mechanical & Schematic Data

- Mounting Dimensions (see tables below)



- Schematic





• Complete Connection diagram can be found here - [183 Connection Diagram](#)

Gallery



| Dual Primary |             | Size | Secondary (RMS)    |             |
|--------------|-------------|------|--------------------|-------------|
| 115/230V     | Bulk Pack   |      |                    |             |
| Part No.     | Part No.    | VA   | Series (see notes) | Parallel    |
| 183E10       | 183E10-BULK | 2.5  | 10V C.T. @ 0.25A   | 5V @ 0.5A   |
| 183F10       | 183F10-BULK | 5    | 10V C.T. @ 0.5A    | 5V @ 1A     |
| 183G10       | 183G10-BULK | 10   | 10V C.T. @ 1A      | 5V @ 2A     |
| 183H10       | 183H10-BULK | 20   | 10V C.T. @ 2A      | 5V @ 4A     |
| 183J10       | 183J10-BULK | 30   | 10V C.T. @ 3A      | 5V @ 6A     |
| 183K10       | 183K10-BULK | 56   | 10V C.T. @ 5.6A    | 5V @ 11.2A  |
| 183E12       | 183E12-BULK | 2.5  | 12.6V C.T. @ 0.2A  | 6.3V @ 0.4A |
| 183F12       | 183F12-BULK | 5    | 12.6V C.T. @ 0.4A  | 6.3V @ 0.8A |
| 183G12       | 183G12-BULK | 10   | 12.6V C.T. @ 0.8A  | 6.3V @ 1.6A |
| 183H12       | 183H12-BULK | 20   | 12.6V C.T. @ 1.6A  | 6.3V @ 3.2A |
| 183J12       | 183J12-BULK | 30   | 12.6V C.T. @ 2.4A  | 6.3V @ 4.8A |
| 183K12       | 183K12-BULK | 56   | 12.6V C.T. @ 4.4A  | 6.3V @ 8.8A |
| 183E16       | 183E16-BULK | 2.5  | 16V C.T. @ 0.15A   | 8V @ 0.3A   |
| 183F16       | 183F16-BULK | 5    | 16V C.T. @ 0.31A   | 8V @ 0.62A  |
| 183G16       | 183G16-BULK | 10   | 16V C.T. @ 0.62A   | 8V @ 1.25A  |
| 183H16       | 183H16-BULK | 20   | 16V C.T. @ 1.25A   | 8V @ 2.5A   |
| 183J16       | 183J16-BULK | 30   | 16V C.T. @ 1.9A    | 8V @ 3.8A   |
| 183K16       | 183K16-BULK | 56   | 16V C.T. @ 3.5A    | 8V @ 7A     |
| 183E20       | 183E20-BULK | 2.5  | 20V C.T. @ 0.12A   | 10V @ 0.24A |

| Dual Primary |             |      |                    |             |
|--------------|-------------|------|--------------------|-------------|
| 115/230V     | Bulk Pack   | Size | Secondary (RMS)    |             |
| Part No.     | Part No.    | VA   | Series (see notes) | Parallel    |
| 183F20       | 183F20-BULK | 5    | 20V C.T. @ 0.25A   | 10V @ 0.5A  |
| 183G20       | 183G20-BULK | 10   | 20V C.T. @ 0.5A    | 10V @ 1A    |
| 183H20       | 183H20-BULK | 20   | 20V C.T. @ 1.0A    | 10V @ 2A    |
| 183J20       | 183J20-BULK | 30   | 20V C.T. @ 1.5A    | 10V @ 3A    |
| 183K20       | 183K20-BULK | 56   | 20V C.T. @ 2.8A    | 10V @ 5.6A  |
| 183E24       | 183E24-BULK | 2.5  | 24V C.T. @ 0.1A    | 12V @ 0.2A  |
| 183F24       | 183F24-BULK | 5    | 24V C.T. @ 0.21A   | 12V @ 0.42A |
| 183G24       | 183G24-BULK | 10   | 24V C.T. @ 0.42A   | 12V @ 0.84A |
| 183H24       | 183H24-BULK | 20   | 24V C.T. @ 0.83A   | 12V @ 1.66A |
| 183J24       | 183J24-BULK | 30   | 24V C.T. @ 1.25A   | 12V @ 2.5A  |
| 183K24       | 183K24-BULK | 56   | 24V C.T. @ 2.33A   | 12V @ 4.66A |
| 183E28       | 183E28-BULK | 2.5  | 28V C.T. @ 0.09A   | 14V @ 0.18A |
| 183F28       | 183F28-BULK | 5    | 28V C.T. @ 0.18A   | 14V @ 0.36A |
| 183G28       | 183G28-BULK | 10   | 28V C.T. @ 0.36A   | 14V @ 0.72A |
| 183H28       | 183H28-BULK | 20   | 28V C.T. @ 0.72A   | 14V @ 1.44A |
| 183J28       | 183J28-BULK | 30   | 28V C.T. @ 1.06A   | 14V @ 2.12A |
| 183K28       | 183K28-BULK | 56   | 28V C.T. @ 2A      | 14V @ 4A    |
| 183E36       | 183E36-BULK | 2.5  | 36V C.T. @ 0.07A   | 18V @ 0.14A |
| 183F36       | 183F36-BULK | 5    | 36V C.T. @ 0.14A   | 18V @ 0.28A |
| 183G36       | 183G36-BULK | 10   | 36V C.T. @ 0.28A   | 18V @ 0.56A |
| 183H36       | 183H36-BULK | 20   | 36V C.T. @ 0.56A   | 18V @ 1.12A |
| 183J36       | 183J36-BULK | 30   | 36V C.T. @ 0.82A   | 18V @ 1.64A |
| 183K36       | 183K36-BULK | 56   | 36V C.T. @ 1.56A   | 18V @ 3.12A |

Notes: when connecting the secondaries in series (pin 9 connected to pin 10) - that connection acts as a C.T. (center tap).

Mechanical & Schematic Data

| (VA) | Dimensions |      |      |      |      |      |      |      |      | Pin Size | Mtg.  | Weight |
|------|------------|------|------|------|------|------|------|------|------|----------|-------|--------|
| Size | L          | W    | H    | A    | B    | C    | M    | N    | P    | (Square) | Screw | lbs.   |
| 2.5  | 1.63       | 1.44 | 1.13 | 0.20 | 0.25 | 1.00 | 1.06 | -    | -    | 0.025    | #4    | 0.17   |
| 5    | 1.63       | 1.44 | 1.38 | 0.20 | 0.40 | 1.00 | 1.06 | -    | -    | 0.025    | #4    | 0.37   |
| 10   | 1.88       | 1.56 | 1.38 | 0.20 | 0.40 | 1.14 | 1.25 | -    | -    | 0.036    | #4    | 0.53   |
| 20   | 2.25       | 1.88 | 1.63 | 0.40 | 0.40 | 1.46 | 1.50 | -    | -    | 0.036    | #4    | 0.9    |
| 30   | 2.63       | 2.19 | 1.56 | 0.55 | 0.28 | 1.68 | -    | 1.75 | 2.19 | 0.045    | #6    | 1.15   |
| 56   | 3.00       | 2.50 | 1.81 | 0.60 | 0.30 | 1.90 | -    | 2.00 | 2.50 | 0.045    | #6    | 1.7    |

Tags: power transformer, low voltage, PCB mount, circuit board, dual primary, universal, output, dual winding, insulated *Data subject to change without notice*