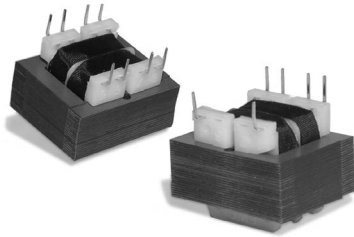



# LAMINATED TRANSFORMERS


## Low Frequency, Open-Style Laminated, Split Bobbin, Horizontal Plug-In Series



**AGENCY APPROVALS** 

- UL, 506, File E73539
- UL 1446, File E179499
- UL 1585, File E169010

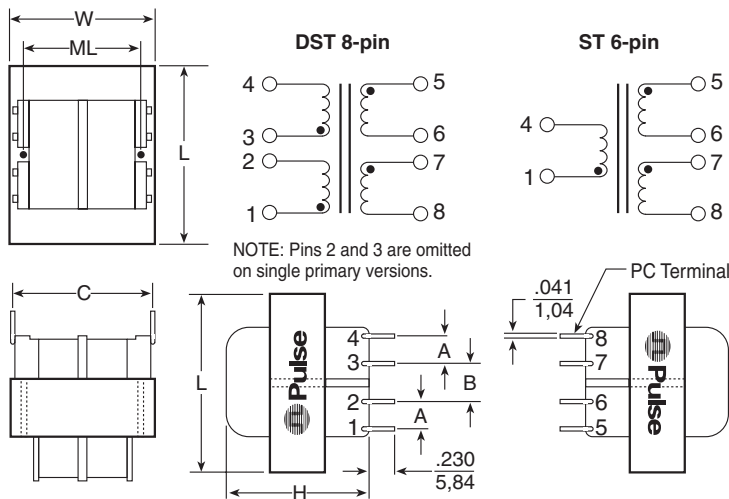
Class 2 Component Recognition

- CSA 22.2#66, File LR68051-2 
- UL Recognized Class B

- ⊕ High (2500V) isolation; 2500VRMS HIPOT
- ⊕ Non-concentric design - eliminates ESS
- ⊕ No crossover between primary/secondary winding leads
- ⊕ Vacuum impregnated - withstands board washing systems and reduces audible noise
- ⊕ Baked resin provides an environmentally-resistant finish
- ⊕ Rugged construction - no additional mounting hardware
- ⊕ Universal design, fits industry-standard footprints
- ⊕ Available in single or dual primary

### Mechanicals

### Schematics



### Dimensions (inches)

| Size | VA  | L    | W    | H    | A    | B    | C    | ML   | Wt. (lb.) |
|------|-----|------|------|------|------|------|------|------|-----------|
| 2    | 1.1 | 1.13 | 1.13 | 0.94 | 0.25 | 0.25 | 1.20 | ---- | 0.17      |
| 3    | 2.4 | 1.38 | 1.13 | 1.19 | 0.25 | 0.25 | 1.20 | ---- | 0.25      |
| 4    | 6.0 | 1.63 | 1.31 | 1.31 | 0.25 | 0.35 | 1.28 | 1.06 | 0.44      |
| 5    | 12  | 1.86 | 1.56 | 1.44 | 0.30 | 0.40 | 1.41 | 1.25 | 0.70      |
| 6    | 20  | 2.25 | 1.86 | 1.44 | 0.30 | 0.40 | 1.60 | 1.50 | 0.80      |
| 7*   | 36  | 2.63 | 2.19 | 1.56 | 0.40 | 0.40 | 1.80 | ---- | 1.10      |

| Part No.<br>115V-6Pin  | Part No.<br>115/230V-8Pin | Secondary RMS Rating |              |
|------------------------|---------------------------|----------------------|--------------|
|                        |                           | Series               | Parallel     |
| ST2-10B41 <sup>1</sup> | DST2-10B41 <sup>1</sup>   | 10V C.T. @ 0.11A     | 5V @ 0.22A   |
| ST3-10B1 <sup>1</sup>  | DST3-10B1 <sup>1</sup>    | 10V C.T. @ 0.25A     | 5V @ 0.5A    |
| ST4-10B2               | DST4-10B2                 | 10V C.T. @ 0.6A      | 5V @ 1.2A    |
| ST5-10B3               | DST5-10B3                 | 10V C.T. @ 1.2A      | 5V @ 2.4A    |
| ST6-10B4               | DST6-10B4                 | 10V C.T. @ 2A        | 5V @ 4A      |
| ST7-10B51              | DST7-10B51                | 10V C.T. @ 3.6A      | 5V @ 7.2A    |
| ST2-12B42 <sup>1</sup> | DST2-12B42 <sup>1</sup>   | 12.6V C.T. @ 0.09A   | 6.3V @ 0.18A |
| ST3-12B5 <sup>1</sup>  | DST3-12B5 <sup>1</sup>    | 12.6V C.T. @ 0.2A    | 6.3V @ 0.4A  |
| ST4-12B6               | DST4-12B6                 | 12.6V C.T. @ 0.5A    | 6.3V @ 1.0A  |
| ST5-12B7               | DST5-12B7                 | 12.6V C.T. @ 1.0A    | 6.3V @ 2.0A  |
| ST6-12B8               | DST6-12B8                 | 12.6V C.T. @ 1.6A    | 6.3V @ 3.2A  |
| ST7-12B52              | DST7-12B52                | 12.6V C.T. @ 2.85A   | 6.3V @ 5.7A  |
| ST2-16B43 <sup>1</sup> | DST2-16B43 <sup>1</sup>   | 16V C.T. @ 0.07A     | 8V @ 0.14A   |
| ST3-16B9 <sup>1</sup>  | DST3-16B9 <sup>1</sup>    | 16V C.T. @ 0.15A     | 8V @ 0.3A    |
| ST4-16B10              | DST4-16B10                | 16V C.T. @ 0.4A      | 8V @ 0.8A    |
| ST5-16B11              | DST5-16B11                | 16V C.T. @ 0.8A      | 8V @ 1.6A    |
| ST6-16B12              | DST6-16B12                | 16V C.T. @ 1.25A     | 8V @ 2.5A    |
| ST7-16B53              | DST7-16B53                | 16V C.T. @ 2.25A     | 8V @ 4.5A    |
| ST2-20B44 <sup>1</sup> | DST2-20B44 <sup>1</sup>   | 20V C.T. @ 0.055A    | 10V @ 0.11A  |
| ST3-20B13 <sup>1</sup> | DST3-20B13 <sup>1</sup>   | 20V C.T. @ 0.12A     | 10V @ 0.24A  |
| ST4-20B14              | DST4-20B14                | 20V C.T. @ 0.3A      | 10V @ 0.6A   |
| ST5-20B15              | DST5-20B15                | 20V C.T. @ 0.6A      | 10V @ 1.2A   |
| ST6-20B16              | DST6-20B16                | 20V C.T. @ 1A        | 10V @ 2A     |
| ST7-20B54              | DST7-20B54                | 20V C.T. @ 1.8A      | 10V @ 3.6A   |
| ST2-24B45 <sup>1</sup> | DST2-24B45 <sup>1</sup>   | 24V C.T. @ 0.045A    | 12V @ 0.09A  |
| ST3-24B17 <sup>1</sup> | DST3-24B17 <sup>1</sup>   | 24V C.T. @ 0.1A      | 12V @ 0.2A   |
| ST4-24B18              | DST4-24B18                | 24V C.T. @ 0.25A     | 12V @ 0.5A   |
| ST5-24B19              | DST5-24B19                | 24V C.T. @ 0.5A      | 12V @ 1.0A   |
| ST6-24B20              | DST6-24B20                | 24V C.T. @ 0.8A      | 12V @ 1.6A   |
| ST7-24B55              | DST7-24B55                | 24V C.T. @ 1.5A      | 12V @ 3.0A   |
| ST2-28B46              | DST2-28B46                | 28V C.T. @ 0.04A     | 14V @ 0.08A  |
| ST3-28B21              | DST3-28B21                | 28V C.T. @ 0.085A    | 14V @ 0.17A  |
| ST4-28B22              | DST4-28B22                | 28V C.T. @ 0.2A      | 14V @ 0.4A   |
| ST5-28B23              | DST5-28B23                | 28V C.T. @ 0.42A     | 14V @ 0.84A  |
| ST6-28B24              | DST6-28B24                | 28V C.T. @ 0.7A      | 14V @ 1.4A   |
| ST7-28B56              | DST7-28B56                | 28V C.T. @ 1.3A      | 14V @ 2.6A   |
| ST2-36B47              | DST2-36B47                | 36V C.T. @ 0.03A     | 18V @ 0.06A  |
| ST3-36B25              | DST3-36B25                | 36V C.T. @ 0.065A    | 18V @ 0.13A  |
| ST4-36B26              | DST4-36B26                | 36V C.T. @ 0.17A     | 18V @ 0.34A  |
| ST5-36B27              | DST5-36B27                | 36V C.T. @ 0.35A     | 18V @ 0.7A   |
| ST6-36B28              | DST6-36B28                | 36V C.T. @ 0.55A     | 18V @ 1.1A   |
| ST7-36B57              | DST7-36B57                | 36V C.T. @ 1.0A      | 18V @ 2.0A   |
| ST2-48B48              | DST2-48B48                | 48V C.T. @ 0.023A    | 24V @ .046A  |
| ST3-48B29              | DST3-48B29                | 48V C.T. @ 0.05A     | 24V @ 0.1A   |
| ST4-48B30              | DST4-48B30                | 48V C.T. @ 0.125A    | 24V @ 0.25A  |
| ST5-48B31              | DST5-48B31                | 48V C.T. @ 0.25A     | 24V @ 0.5A   |
| ST6-48B32              | DST6-48B32                | 48V C.T. @ 0.4A      | 24V @ 0.8A   |
| ST7-48B58              | DST7-48B58                | 48V C.T. @ 0.75A     | 24V @ 1.5A   |
| ST2-56B49              | DST2-56B49                | 56V C.T. @ 0.02A     | 28V @ 0.04A  |
| ST3-56B33              | DST3-56B33                | 56V C.T. @ 0.045A    | 28V @ 0.09A  |
| ST4-56B34              | DST4-56B34                | 56V C.T. @ 0.11A     | 28V @ 0.22A  |
| ST5-56B35              | DST5-56B35                | 56V C.T. @ 0.22A     | 28V @ 0.44A  |
| ST6-56B36              | DST6-56B36                | 56V C.T. @ 0.35A     | 28V @ 0.7A   |
| ST7-56B59              | DST7-56B59                | 56V C.T. @ 0.65A     | 28V @ 1.3A   |
| ST2-120B50             | DST2-120B50               | 120V C.T. @ 0.01A    | 60V @ 0.02A  |
| ST3-120B37             | DST3-120B37               | 120V C.T. @ 0.02A    | 60V @ 0.04A  |
| ST4-120B38             | DST4-120B38               | 120V C.T. @ 0.05A    | 60V @ 0.1A   |
| ST5-120B39             | DST5-120B39               | 120V C.T. @ 0.1A     | 60V @ 0.2A   |
| ST6-120B40             | DST6-120B40               | 120V C.T. @ 0.16A    | 60V @ 0.32A  |
| ST7-120B60             | DST7-120B60               | 120V C.T. @ 0.3A     | 60V @ 0.6A   |

<sup>1</sup> UL 1585 approved, Class 2 - Not Wet, Class 3 - Wet

\*Size 7 has 4 MTG. holes on 2.188" x 1.75" centers.

USA 858 674 8100 • Germany 49 7032 7806 0 • Singapore 65 6287 8998 • Shanghai 86 21 54643211 / 2 • China 86 769 85538070 • Taiwan 886 3 4641811