

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

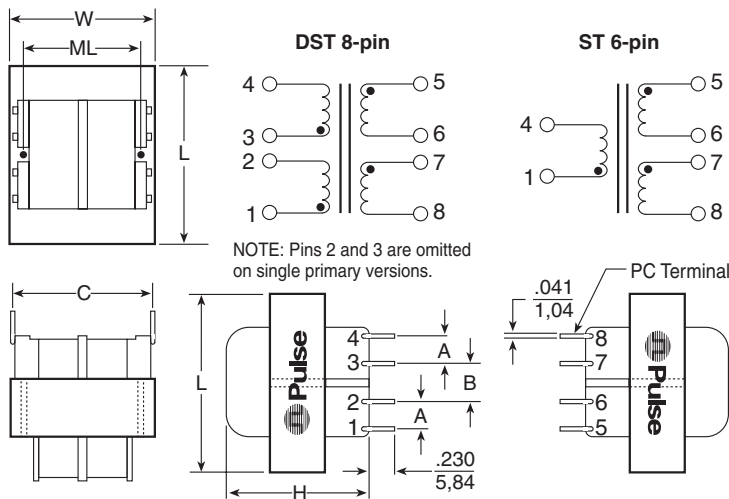
Class 2 Component Recognition

- 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. 115V-6Pin | Part No. 115/230V-8Pin | Secondary RMS Rating | |
|------------------------|---------------------------|----------------------|--------------|
| | | Series | Parallel |
| ST2-10B41 ¹ | DST2-10B41 ¹ | 10V C.T. @ 0.11A | 5V @ 0.22A |
| ST3-10B1 ¹ | DST3-10B1 ¹ | 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 ¹ | DST2-12B42 ¹ | 12.6V C.T. @ 0.09A | 6.3V @ 0.18A |
| ST3-12B5 ¹ | DST3-12B5 ¹ | 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 ¹ | DST2-16B43 ¹ | 16V C.T. @ 0.07A | 8V @ 0.14A |
| ST3-16B9 ¹ | DST3-16B9 ¹ | 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 ¹ | DST2-20B44 ¹ | 20V C.T. @ 0.055A | 10V @ 0.11A |
| ST3-20B13 ¹ | DST3-20B13 ¹ | 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 ¹ | DST2-24B45 ¹ | 24V C.T. @ 0.045A | 12V @ 0.09A |
| ST3-24B17 ¹ | DST3-24B17 ¹ | 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 |

¹ UL 1585 approved, Class 2 - Not Wet, Class 3 - Wet

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