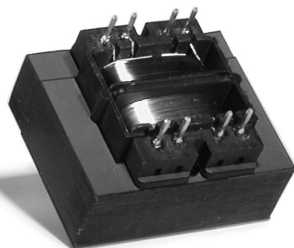


# LAMINATED TRANSFORMERS

## Low Frequency, Open-Style Laminated, International PC Plug-In Series



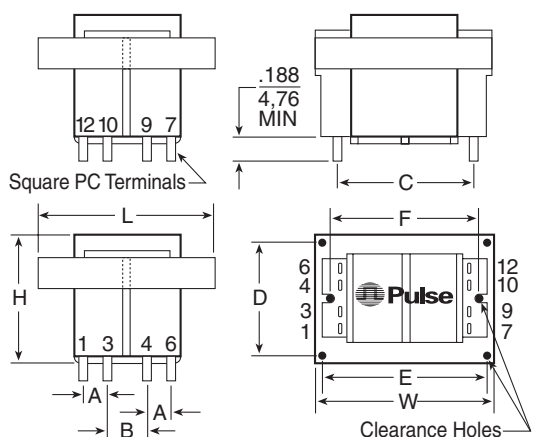
| AGENCY APPROVALS              |     |
|-------------------------------|-----|
| ■ UL, 506, File E73539        | UL  |
| ■ UL Recognized Class B       |     |
| ■ UL 1446, File E179499       | CE  |
| ■ CSA 22.2#66, File LR68051-2 |     |
| ■ TUV, EN61558                | TUV |

- PC board plug-in mounting
- Double reinforced insulation
- Dual bobbin; high (4000V) primary to secondary isolation
- Non-concentric design - eliminates ESS and reduces primary to secondary capacitance
- No crossover between primary/secondary leads
- Vacuum impregnated - withstands board washing systems and reduces audible noise
- Baked resin provides an environmentally-resistant finish

| Part No.<br>PC Mount | VA<br>(Size) | Secondary RMS Rating |             |
|----------------------|--------------|----------------------|-------------|
|                      |              | Series               | Parallel    |
| 14A-2.5-10B1         | 2.5          | 10V C.T. @ 0.25A     | 5V @ 0.5A   |
| 14A-5.0-10B2         | 5            | 10V C.T. @ 0.5A      | 5V @ 1.0A   |
| 14A-10-10B3          | 10           | 10V C.T. @ 1.0A      | 5V @ 2.0A   |
| 14A-20-10B4          | 20           | 10V C.T. @ 2.0A      | 5V @ 4.0A   |
| 14A-30-10B5          | 30           | 10V C.T. @ 3.0A      | 5V @ 6.0A   |
| 14A-56-10B6          | 56           | 10V C.T. @ 5.6A      | 5V @ 11.2A  |
| 14A-2.5-12B7         | 2.5          | 12.6V C.T. @ 0.2A    | 6.3V @ 0.4A |
| 14A-5.0-12B8         | 5            | 12.6V C.T. @ 0.4A    | 6.3V @ 0.8A |
| 14A-10-12B9          | 10           | 12.6V C.T. @ 0.8A    | 6.3V @ 1.6A |
| 14A-20-12B10         | 20           | 12.6V C.T. @ 1.6A    | 6.3V @ 3.2A |
| 14A-30-12B11         | 30           | 12.6V C.T. @ 2.4A    | 6.3V @ 4.8A |
| 14A-56-12B12         | 56           | 12.6V C.T. @ 4.4A    | 6.3V @ 8.8A |
| 14A-2.5-16B13        | 2.5          | 16V C.T. @ 0.15A     | 8V @ 0.3A   |
| 14A-5.0-16B14        | 5            | 16V C.T. @ 0.31A     | 8V @ 0.62A  |
| 14A-10-16B15         | 10           | 16V C.T. @ 0.62A     | 8V @ 1.25A  |
| 14A-20-16B16         | 20           | 16V C.T. @ 1.25A     | 8V @ 2.5A   |
| 14A-30-16B17         | 30           | 16V C.T. @ 1.9A      | 8V @ 3.8A   |
| 14A-56-16B18         | 56           | 16V C.T. @ 3.5A      | 8V @ 7.0A   |
| 14A-2.5-20B19        | 2.5          | 20V C.T. @ 0.12A     | 10V @ 0.24A |
| 14A-5.0-20B20        | 5            | 20V C.T. @ 0.25A     | 10V @ 0.5A  |
| 14A-10-20B21         | 10           | 20V C.T. @ 0.5A      | 10V @ 1.0A  |
| 14A-20-20B22         | 20           | 20V C.T. @ 1.0A      | 10V @ 2.0A  |
| 14A-30-20B23         | 30           | 20V C.T. @ 1.5A      | 10V @ 3.0A  |
| 14A-56-20B24         | 56           | 20V C.T. @ 2.8A      | 10V @ 5.6A  |
| 14A-2.5-24B25        | 2.5          | 24V C.T. @ 0.1A      | 12V @ 0.2A  |
| 14A-5.0-24B26        | 5            | 24V C.T. @ 0.21A     | 12V @ 0.42A |
| 14A-10-24B27         | 10           | 24V C.T. @ 0.42A     | 12V @ 0.84A |
| 14A-20-24B28         | 20           | 24V C.T. @ 0.83A     | 12V @ 1.66A |
| 14A-30-24B29         | 30           | 24V C.T. @ 1.25A     | 12V @ 2.5A  |
| 14A-56-24B30         | 56           | 24V C.T. @ 2.33A     | 12V @ 4.66A |
| 14A-2.5-28B31        | 2.5          | 28V C.T. @ 0.09A     | 14V @ 0.18A |
| 14A-5.0-28B32        | 5            | 28V C.T. @ 0.18A     | 14V @ 0.36A |
| 14A-10-28B33         | 10           | 28V C.T. @ 0.36A     | 14V @ 0.72A |
| 14A-20-28B34         | 20           | 28V C.T. @ 0.72A     | 14V @ 1.44A |
| 14A-30-28B35         | 30           | 28V C.T. @ 1.06A     | 14V @ 2.12A |
| 14A-56-28B36         | 56           | 28V C.T. @ 2.0A      | 14V @ 4.0A  |
| 14A-2.5-36B37        | 2.5          | 36V C.T. @ 0.07A     | 18V @ 0.14A |
| 14A-5.0-36B38        | 5            | 36V C.T. @ 0.14A     | 18V @ 0.28A |
| 14A-10-36B39         | 10           | 36V C.T. @ 0.28A     | 18V @ 0.56A |
| 14A-20-36B40         | 20           | 36V C.T. @ 0.56A     | 18V @ 1.12A |
| 14A-30-36B41         | 30           | 36V C.T. @ 0.82A     | 18V @ 1.64A |
| 14A-56-36B42         | 56           | 36V C.T. @ 1.56A     | 18V @ 3.12A |

### Mechanical

### Schematic



### Dimensions (inches)

| VA<br>(size) | Wt.<br>(lb.) | L     | W     | H     | A    | B     | C    | D    | E    | F     | Pin<br>Dim. | E  |
|--------------|--------------|-------|-------|-------|------|-------|------|------|------|-------|-------------|----|
| 2.5          | 0.25         | 1.625 | 1.312 | 1.125 | 0.20 | 0.250 | 1.00 | —    | —    | 1.062 | .025 SQ     | #4 |
| 5            | 0.37         | 1.625 | 1.312 | 1.375 | 0.20 | 0.400 | 1.00 | —    | —    | 1.062 | .025 SQ     | #4 |
| 10           | 0.53         | 1.875 | 1.562 | 1.375 | 0.20 | 0.400 | 1.14 | —    | —    | 1.250 | .038 SQ     | #4 |
| 20           | 0.90         | 2.25  | 1.875 | 1.625 | 0.40 | 0.400 | 1.46 | —    | —    | 1.500 | .038 SQ     | #4 |
| 30           | 1.15         | 2.625 | 2.187 | 1.562 | 0.55 | 0.275 | 1.68 | 2.18 | 1.75 | —     | .045 SQ     | #6 |
| 56           | 1.70         | 3.000 | 2.500 | 1.812 | 0.60 | 0.300 | 1.90 | 2.50 | 2.00 | —     | .045 SQ     | #6 |