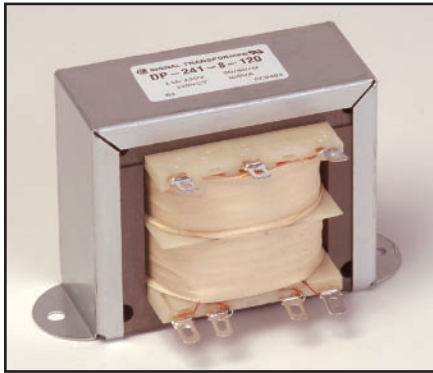


# Two-4-One™ Power Transformers

## Chassis Mount

### Split Bobbin with High Isolation



Signal's 241 transformers use a split bobbin that provides superior isolation and low capacitive coupling.

#### General Specifications

- Power - 2.4 VA to 100 VA
- Dielectric Strength - 2500 VRMS Hipot
- Primaries - Single or dual primaries (115V or 115/230 V - 50/60 Hz)
- Secondary - Single center tapped secondary
- Terminals - Solder lug / quick connect type terminals
- Insulation - Class B (130° C) UL 1446 E66312

#### Agency Certifications

- UL recognized to UL 506, File # E63829
- CSA certified to C22.2 #66, File # 221070



| Part Number |               | Secondary RMS Rating | Part Number |               | Secondary RMS Rating |
|-------------|---------------|----------------------|-------------|---------------|----------------------|
| Single 115V | Dual 115/230V |                      | Single 115V | Dual 115/230V |                      |
| 241-3-10    | Not Available | 10VCT @ 0.25A        | 241-3-28    | Not Available | 28VCT @ 0.085A       |
| 241-4-10    | DP-241-4-10   | 10VCT @ 0.60A        | 241-4-28    | DP-241-4-28   | 28VCT @ 0.20A        |
| 241-5-10    | DP-241-5-10   | 10VCT @ 1.2A         | 241-5-28    | DP-241-5-28   | 28VCT @ 0.42A        |
| 241-6-10    | DP-241-6-10   | 10VCT @ 3.0A         | 241-6-28    | DP-241-6-28   | 28VCT @ 1.1A         |
| 241-7-10    | DP-241-7-10   | 10VCT @ 5.0A         | 241-7-28    | DP-241-7-28   | 28VCT @ 2.0A         |
| 241-8-10    | DP-241-8-10   | 10VCT @ 10A          | 241-8-28    | DP-241-8-28   | 28VCT @ 3.6A         |
| 241-3-12    | Not Available | 12.6VCT @ 0.20A      | 241-3-36    | Not Available | 36VCT @ 0.065A       |
| 241-4-12    | DP-241-4-12   | 12.6VCT @ 0.50A      | 241-4-36    | DP-241-4-36   | 36VCT @ 0.17A        |
| 241-5-12    | DP-241-5-12   | 12.6VCT @ 1.0A       | 241-5-36    | DP-241-5-36   | 36VCT @ 0.35A        |
| 241-6-12    | DP-241-6-12   | 12.6VCT @ 2.5A       | 241-6-36    | DP-241-6-36   | 36VCT @ 0.85A        |
| 241-7-12    | DP-241-7-12   | 12.6VCT @ 4.0A       | 241-7-36    | DP-241-7-36   | 36VCT @ 1.5A         |
| 241-8-12    | DP-241-8-12   | 12.6VCT @ 8.0A       | 241-8-36    | DP-241-8-36   | 36VCT @ 2.8A         |
| 241-3-16    | Not Available | 16VCT @ 0.15A        | 241-3-48    | Not Available | 48VCT @ 0.05A        |
| 241-4-16    | DP-241-4-16   | 16VCT @ 0.40A        | 241-4-48    | DP-241-4-48   | 48VCT @ 0.125A       |
| 241-5-16    | DP-241-5-16   | 16VCT @ 0.80A        | 241-5-48    | DP-241-5-48   | 48VCT @ 0.25A        |
| 241-6-16    | DP-241-6-16   | 16VCT @ 2.0A         | 241-6-48    | DP-241-6-48   | 48VCT @ 0.63A        |
| 241-7-16    | DP-241-7-16   | 16VCT @ 3.5A         | 241-7-48    | DP-241-7-48   | 48VCT @ 1.2A         |
| 241-8-16    | DP-241-8-16   | 16VCT @ 6.25A        | 241-8-48    | DP-241-8-48   | 48VCT @ 2.0A         |
| 241-3-20    | Not Available | 20VCT @ 0.12A        | 241-3-56    | Not Available | 56VCT @ 0.045A       |
| 241-4-20    | DP-241-4-20   | 20VCT @ 0.30A        | 241-4-56    | DP-241-4-56   | 56VCT @ 0.11A        |
| 241-5-20    | DP-241-5-20   | 20VCT @ 0.60A        | 241-5-56    | DP-241-5-56   | 56VCT @ 0.22A        |
| 241-6-20    | DP-241-6-20   | 20VCT @ 1.5A         | 241-6-56    | DP-241-6-56   | 56VCT @ 0.54A        |
| 241-7-20    | DP-241-7-20   | 20VCT @ 2.8A         | 241-7-56    | DP-241-7-56   | 56VCT @ 1.00A        |
| 241-8-20    | DP-241-8-20   | 20VCT @ 5.0A         | 241-8-56    | DP-241-8-56   | 56VCT @ 1.8A         |
| 241-3-24    | Not Available | 24VCT @ 0.10A        | 241-3-120   | Not Available | 120VCT @ 0.02A       |
| 241-4-24    | DP-241-4-24   | 24VCT @ 0.25A        | 241-4-120   | DP-241-4-120  | 120VCT @ 0.05A       |
| 241-5-24    | DP-241-5-24   | 24VCT @ 0.50A        | 241-5-120   | DP-241-5-120  | 120VCT @ 0.10A       |
| 241-6-24    | DP-241-6-24   | 24VCT @ 1.25A        | 241-6-120   | DP-241-6-120  | 120VCT @ 0.25A       |
| 241-7-24    | DP-241-7-24   | 24VCT @ 2.4A         | 241-7-120   | DP-241-7-120  | 120VCT @ 0.50A       |
| 241-8-24    | DP-241-8-24   | 24VCT @ 4.0A         | 241-8-120   | DP-241-8-120  | 120VCT @ 0.85A       |

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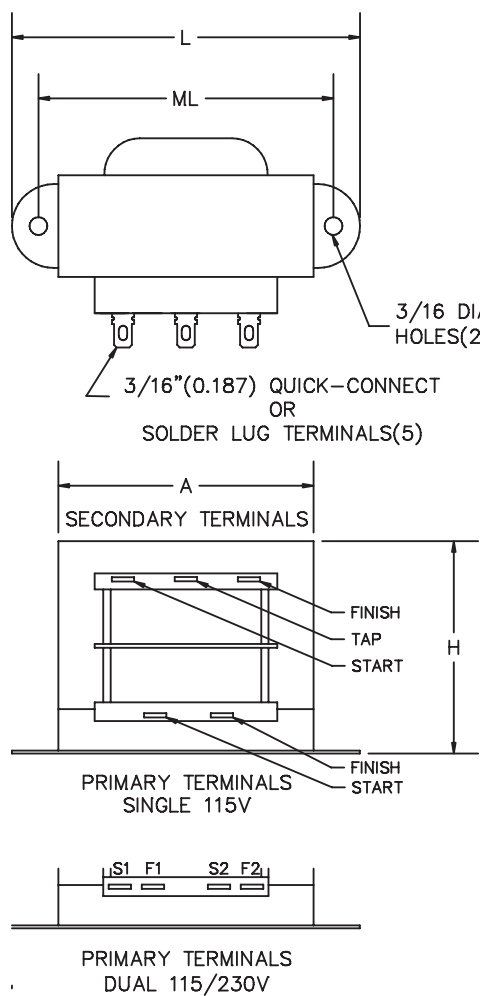
# Two-4-One™ Power Transformers

## Chassis Mount

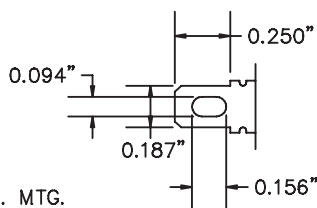
Split Bobbin with High Isolation



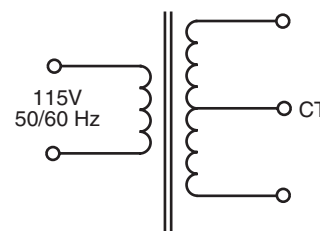
| Size | VA  | Dimensions      |                |                |                |                |                | Weight         |
|------|-----|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|      |     | L               | W              | H              | A              | B              | ML typ         |                |
|      |     | Inches (mm)     |                |                |                |                |                | lbs (kg)       |
| 3    | 2.4 | 2.07<br>(52.6)  | 1.17<br>(29.6) | 1.23<br>(31.2) | 1.62<br>(41.3) | 0.59<br>(15)   | 1.75<br>(44.5) | 0.25<br>(0.11) |
| 4    | 6   | 2.37<br>(60.3)  | 1.31<br>(33.3) | 1.43<br>(36.2) | 1.71<br>(43.4) | 0.72<br>(18.3) | 2.00<br>(50.8) | 0.44<br>(0.20) |
| 5    | 12  | 2.81<br>(71.4)  | 1.43<br>(36.3) | 1.69<br>(42.8) | 1.97<br>(49.9) | 0.89<br>(22.6) | 2.37<br>(60.3) | 0.7<br>(0.32)  |
| 6    | 30  | 3.25<br>(82.6)  | 1.74<br>(44.3) | 1.96<br>(49.8) | 2.35<br>(59.3) | 1.14<br>(28.9) | 2.81<br>(71.4) | 1.1<br>(0.50)  |
| 7    | 56  | 3.68<br>(93.7)  | 1.94<br>(49.2) | 2.28<br>(57.8) | 2.70<br>(68.4) | 1.14<br>(28.9) | 3.12<br>(79.4) | 1.7<br>(0.77)  |
| 8    | 100 | 4.03<br>(102.4) | 2.30<br>(58.5) | 2.67<br>(67.7) | 3.08<br>(78.2) | 1.43<br>(36.2) | 3.63<br>(92)   | 2.75<br>(1.25) |



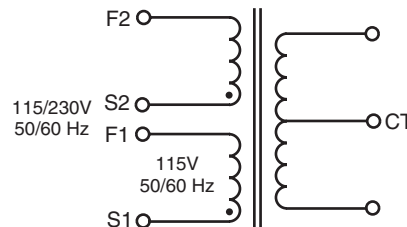
TERMINAL DETAIL



Single Primary



Dual Primary



• Indicates like polarity

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