

# 241-L Series

Two-4-One™ Power Transformers  
with Insulated Hook-Up Lead Wires

## Split Bobbin Construction Providing Superior Isolation

Signal's 241-L transformers use a split bobbin construction 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 (115 V or 115/230 V - 50/60 Hz)
- Secondary - Single center tapped secondary
- Insulation - Class B (130° C) UL 1446 E66312

### Agency Certifications

- UL recognized to UL 506 / UL 5085, CSA 22.2, # 66.1

### Lead Wires

- Hook up lead wire style UL1015, CSA TEW
- Rated 600 V -40° to +105° C
- Passes UL VW-1 (flame test)
- All primary and secondary lead wires are 18 AWG UL 1015
- All lead wires are 12" in length

## Part Number Selection

| Part Number  |                  | Secondary RMS Rating |
|--------------|------------------|----------------------|
| Single 115 V | Dual 115 / 230 V |                      |
| 241-3-10L    | Not Available    | 10.0 VCT @ 0.25 A    |
| 241-4-10L    | DP-241-4-10L     | 10.0 VCT @ 0.6 A     |
| 241-5-10L    | DP-241-5-10L     | 10.0 VCT @ 1.2 A     |
| 241-6-10L    | DP-241-6-10L     | 10.0 VCT @ 3.0 A     |
| 241-7-10L    | DP-241-7-10L     | 10.0 VCT @ 5.0 A     |
| 241-8-10L    | DP-241-8-10L     | 10.0 VCT @ 10 A      |
| 241-3-12L    | Not Available    | 12.6 VCT @ 0.2 A     |
| 241-4-12L    | DP-241-4-12L     | 12.6 VCT @ 0.5 A     |
| 241-5-12L    | DP-241-5-12L     | 12.6 VCT @ 1.0 A     |
| 241-6-12L    | DP-241-6-12L     | 12.6 VCT @ 2.5 A     |
| 241-7-12L    | DP-241-7-12L     | 12.6 VCT @ 4.0 A     |
| 241-8-12L    | DP-241-8-12L     | 12.6 VCT @ 8.0 A     |
| 241-3-16L    | Not Available    | 16.0 VCT @ 0.15 A    |
| 241-4-16L    | DP-241-4-16L     | 16.0 VCT @ 0.4 A     |
| 241-5-16L    | DP-241-5-16L     | 16.0 VCT @ 0.8 A     |
| 241-6-16L    | DP-241-6-16L     | 16.0 VCT @ 2.0 A     |
| 241-7-16L    | DP-241-7-16L     | 16.0 VCT @ 3.5 A     |
| 241-8-16L    | DP-241-8-16L     | 16.0 VCT @ 6.25 A    |
| 241-3-20L    | Not Available    | 20.0 VCT @ 0.12 A    |
| 241-4-20L    | DP-241-4-20L     | 20.0 VCT @ 0.3 A     |
| 241-5-20L    | DP-241-5-20L     | 20.0 VCT @ 0.6 A     |
| 241-6-20L    | DP-241-6-20L     | 20.0 VCT @ 1.5 A     |
| 241-7-20L    | DP-241-7-20L     | 20.0 VCT @ 2.8 A     |
| 241-8-20L    | DP-241-8-20L     | 20.0 VCT @ 5.0 A     |
| 241-3-24L    | Not Available    | 24.0 VCT @ 0.1 A     |
| 241-4-24L    | DP-241-4-24L     | 24.0 VCT @ 0.25 A    |
| 241-5-24L    | DP-241-5-24L     | 24.0 VCT @ 0.5 A     |
| 241-6-24L    | DP-241-6-24L     | 24.0 VCT @ 1.25 A    |
| 241-7-24L    | DP-241-7-24L     | 24.0 VCT @ 2.4 A     |
| 241-8-24L    | DP-241-8-24L     | 24.0 VCT @ 4.0 A     |

| Part Number  |                  | Secondary RMS Rating |
|--------------|------------------|----------------------|
| Single 115 V | Dual 115 / 230 V |                      |
| 241-3-28L    | Not Available    | 28 VCT @ 0.085 A     |
| 241-4-28L    | DP-241-4-28L     | 28 VCT @ 0.20 A      |
| 241-5-28L    | DP-241-5-28L     | 28 VCT @ 0.42 A      |
| 241-6-28L    | DP-241-6-28L     | 28 VCT @ 1.1 A       |
| 241-7-28L    | DP-241-7-28L     | 28 VCT @ 2.0 A       |
| 241-8-28L    | DP-241-8-28L     | 28 VCT @ 3.6 A       |
| 241-3-36L    | Not Available    | 36 VCT @ 0.065 A     |
| 241-4-36L    | DP-241-4-36L     | 36 VCT @ 0.17 A      |
| 241-5-36L    | DP-241-5-36L     | 36 VCT @ 0.35 A      |
| 241-6-36L    | DP-241-6-36L     | 36 VCT @ 0.85 A      |
| 241-7-36L    | DP-241-7-36L     | 36 VCT @ 1.5 A       |
| 241-8-36L    | DP-241-8-36L     | 36 VCT @ 2.8 A       |
| 241-3-48L    | Not Available    | 48 VCT @ 0.05 A      |
| 241-4-48L    | DP-241-4-48L     | 48 VCT @ 0.125 A     |
| 241-5-48L    | DP-241-5-48L     | 48 VCT @ 0.25 A      |
| 241-6-48L    | DP-241-6-48L     | 48 VCT @ 0.63 A      |
| 241-7-48L    | DP-241-7-48L     | 48 VCT @ 1.2 A       |
| 241-8-48L    | DP-241-8-48L     | 48 VCT @ 2.0 A       |
| 241-3-56L    | Not Available    | 56 VCT @ 0.045 A     |
| 241-4-56L    | DP-241-4-56L     | 56 VCT @ 0.11 A      |
| 241-5-56L    | DP-241-5-56L     | 56 VCT @ 0.22 A      |
| 241-6-56L    | DP-241-6-56L     | 56 VCT @ 0.54 A      |
| 241-7-56L    | DP-241-7-56L     | 56 VCT @ 1.00 A      |
| 241-8-56L    | DP-241-8-56L     | 56 VCT @ 1.8 A       |
| 241-3-120L   | Not Available    | 120 VCT @ 0.02 A     |
| 241-4-120L   | DP-241-4-120L    | 120 VCT @ 0.05 A     |
| 241-5-120L   | DP-241-5-120L    | 120 VCT @ 0.10 A     |
| 241-6-120L   | DP-241-6-120L    | 120 VCT @ 0.25 A     |
| 241-7-120L   | DP-241-7-120L    | 120 VCT @ 0.50 A     |
| 241-8-120L   | DP-241-8-120L    | 120 VCT @ 0.85 A     |



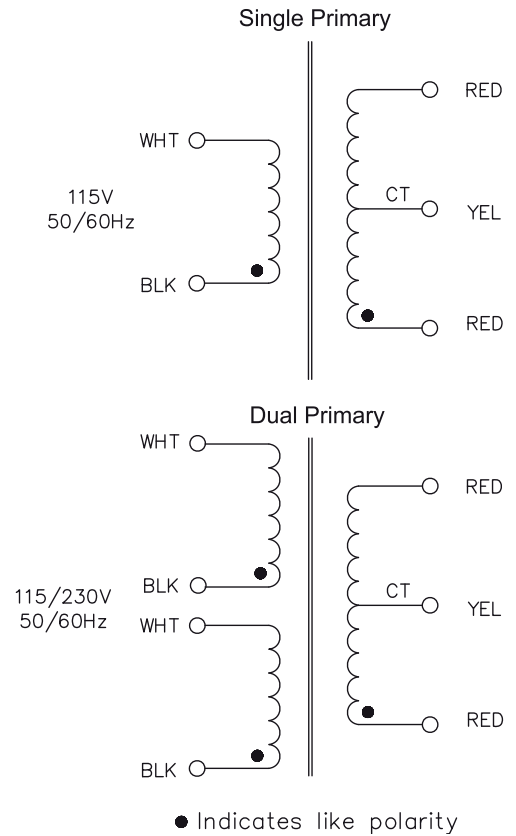
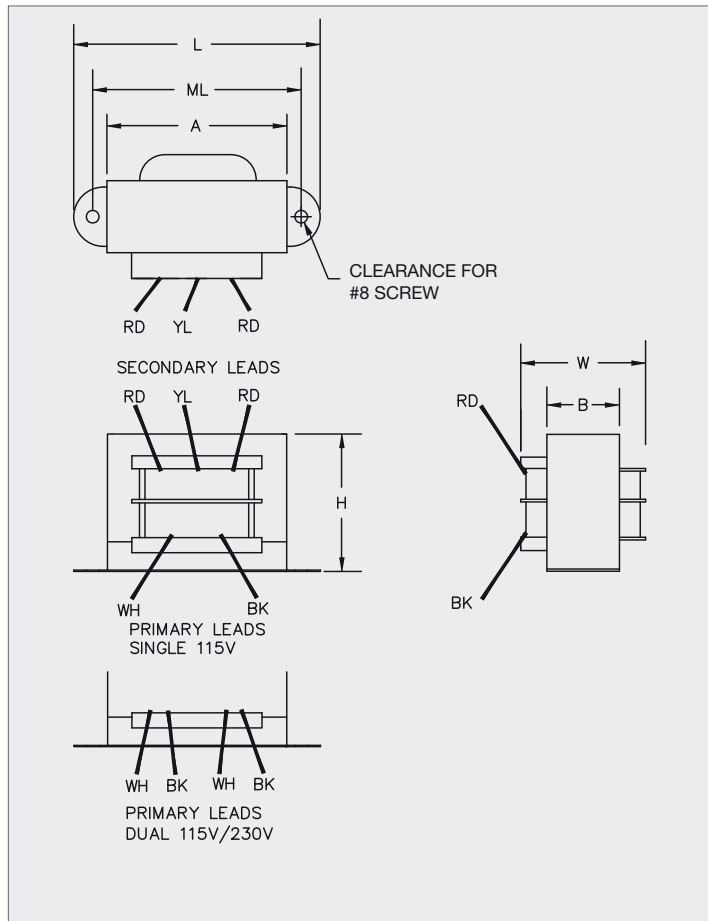
**Custom versions available upon request.**

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## Mechanical Specifications

| 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) | 1.45<br>(36.8) | 0.59<br>(15.0) | 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>(59.7) | 1.14<br>(28.9) | 2.81<br>(71.4) | 1.1<br>(0.50)  |
| 7    | 56  | 3.68<br>(93.5)  | 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) | 2.58<br>(65.5) | 3.08<br>(78.2) | 1.43<br>(36.2) | 3.56<br>(90.4) | 2.75<br>(1.25) |



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