

### F-16X

#### Electrical Specifications (@25C)

1. Maximum Power: 18.9 VA
2. Primary: 115V 50/60 Hz
3. Secondary: 6.3VCT @ 3.0 Amps
4. Voltage Regulation: 15 % TYP @ full load to no load
5. Temperature Rise: 35C TYP (45C MAX allowed)

#### Description:

The F-16X is part of a series which has a long history of reliable service in the field, made from a proven design and constructed with UL recognized materials.

#### Construction:

Wound on a single channel nylon bobbin. Materials are UL recognized, Class B (130° C) rated.

#### Safety:

These products are 100% hipot tested with an insulation of 2500V between primary and secondary windings as well as between the primary / secondary windings and the core.

#### Dimensions: Units: In inches

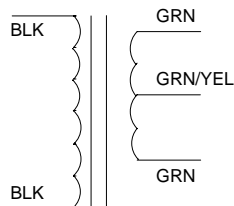
| A     | B     | C    | D     |
|-------|-------|------|-------|
| 1.937 | 3.312 | 2.00 | 2.812 |

Mounting Hole Diameter: .187 in

Lead length: 7.0 inches  $\pm$  1 inch

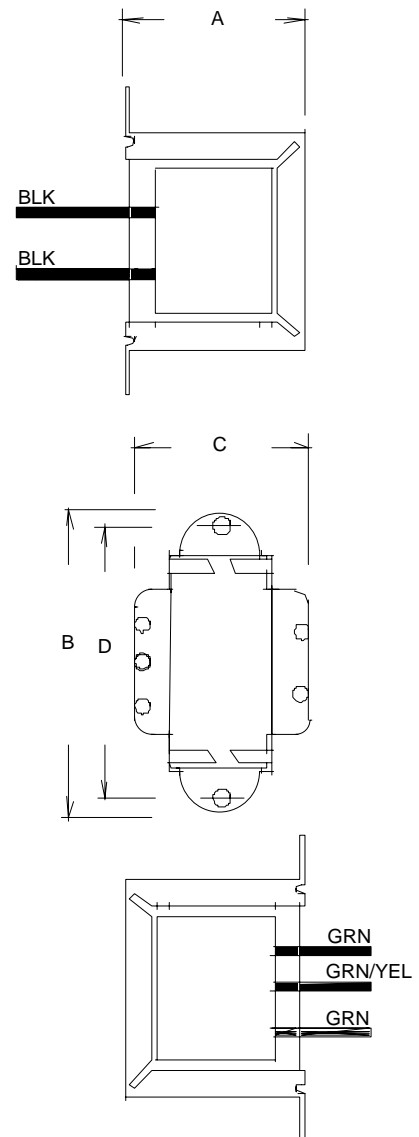
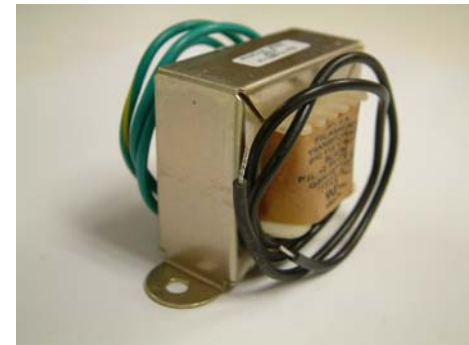
Weight: 1.30 lbs

#### Schematic:



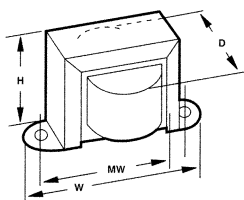
Primary: Black to Black  
Secondary: Green to Green

**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.

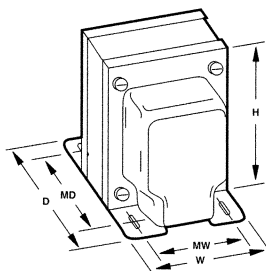


# Power Transformers

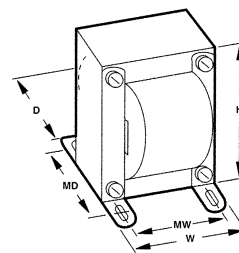
## Chassis Mount: Single Secondary



Case Type X



Case Type A



Case Type U

### :: Description

Triad offers a full choice of power supply transformers for direct use or in transformer, rectifier, or filter circuits. Other available secondary voltages include control, filament and low level signaling in standard values. The transformers are single primary with single and multiple secondaries in standard size and weight configurations.

### :: Specifications

**Primary:** 115/230 V, 50/60 Hz

### :: Single Secondary

|       | Type No. | Secondary Volts  | Secondary Amps | Primary Voltage | RMS Test Voltage (Sec.) | Case Type | Connections     | Dimensions       |                  |                 | Mounting Dimensions |                  | Wt. Lbs. |
|-------|----------|------------------|----------------|-----------------|-------------------------|-----------|-----------------|------------------|------------------|-----------------|---------------------|------------------|----------|
|       |          |                  |                |                 |                         |           |                 | H                | W                | D               | MW                  | MD               |          |
| A     | F-1X#    | 2.5 CT           | 3.0            | 115             | 1,500                   | X         | Leads           | 1 $\frac{1}{8}$  | 2 $\frac{3}{16}$ | 1 $\frac{1}{8}$ | 2 $\frac{3}{8}$     | •                | 0.68     |
|       | F-301X   | 2.5 CT           | 3.0            | 115/230         | 1,500                   | X         | Leads           | 1 $\frac{1}{8}$  | 2 $\frac{3}{16}$ | 1 $\frac{1}{8}$ | 2 $\frac{3}{8}$     | •                | 0.68     |
|       | F-6X#    | 2.5 CT           | 6.0            | 115             | 2,500                   | X         | Leads           | 1 $\frac{1}{2}$  | 3 $\frac{3}{16}$ | 1 $\frac{3}{4}$ | 2 $\frac{3}{16}$    | •                | 1.00     |
|       | F-3X#    | 2.5 CT           | 10.0           | 115             | 3,000                   | X         | Leads           | 2 $\frac{1}{2}$  | 3 $\frac{3}{4}$  | 2 $\frac{1}{8}$ | 3 $\frac{3}{8}$     | •                | 1.70     |
| B     | F-7X     | 5.0 CT           | 3.0            | 115             | 1,500                   | X         | Leads           | 1 $\frac{1}{2}$  | 3 $\frac{3}{16}$ | 2               | 2 $\frac{3}{16}$    | •                | 1.30     |
|       | F-8X     | 5.0 CT           | 6.0            | 115             | 1,500                   | X         | Leads           | 2 $\frac{1}{2}$  | 3 $\frac{3}{4}$  | 2 $\frac{1}{8}$ | 3 $\frac{3}{8}$     | •                | 1.70     |
|       | F-12X    | 5.0 CT           | 8.0            | 115             | 2,500                   | X         | Leads           | 2 $\frac{1}{2}$  | 4                | 2 $\frac{1}{4}$ | 3 $\frac{3}{16}$    | •                | 2.50     |
| C     | F-13X    | 6.3              | 0.6            | 115             | 1,500                   | X         | Leads           | 1 $\frac{1}{8}$  | 2 $\frac{3}{8}$  | 1 $\frac{1}{8}$ | 2                   | •                | 0.37     |
|       | F-313X   | 6.3              | 0.6            | 115/230         | 1,500                   | X         | Leads           | 1 $\frac{1}{8}$  | 2 $\frac{3}{8}$  | 1 $\frac{1}{8}$ | 2                   | •                | 0.37     |
|       | F-14X#   | 6.3 CT           | 1.2            | 115             | 2,500                   | X         | Leads           | 1 $\frac{1}{8}$  | 2 $\frac{3}{16}$ | 1 $\frac{1}{8}$ | 2 $\frac{3}{8}$     | •                | 0.70     |
|       | F-314X   | 6.3 CT           | 1.2            | 115/230         | 2,500                   | X         | Leads           | 1 $\frac{1}{8}$  | 2 $\frac{3}{16}$ | 1 $\frac{1}{8}$ | 2 $\frac{3}{8}$     | •                | 0.70     |
|       | F-16X    | 6.3 CT           | 3.0            | 115             | 2,500                   | X         | Leads           | 1 $\frac{1}{2}$  | 3 $\frac{3}{16}$ | 2               | 2 $\frac{3}{16}$    | •                | 1.30     |
|       | F-316X   | 6.3 CT           | 3.0            | 115/230         | 2,500                   | X         | Leads           | 1 $\frac{1}{2}$  | 3 $\frac{3}{16}$ | 2               | 2 $\frac{3}{16}$    | •                | 1.30     |
|       | F-43X#   | 6.3              | 4.0            | 115             | 1,500                   | X         | Leads           | 1 $\frac{1}{2}$  | 3 $\frac{3}{16}$ | 2               | 2 $\frac{3}{16}$    | •                | 1.25     |
|       | F-18X    | 6.3 CT           | 6.0            | 115             | 1,500                   | X         | Leads           | 2 $\frac{1}{2}$  | 4                | 2 $\frac{1}{4}$ | 3 $\frac{3}{16}$    | •                | 2.30     |
|       | F-318X   | 6.3 CT           | 6.0            | 115/230         | 1,500                   | X         | Leads           | 2 $\frac{1}{2}$  | 4                | 2 $\frac{1}{4}$ | 3 $\frac{3}{16}$    | •                | 2.30     |
|       | F-69X    | 6.3 CT           | 8.0            | 115             | 1,500                   | X         | Leads           | 2 $\frac{1}{2}$  | 4                | 2 $\frac{1}{4}$ | 3 $\frac{3}{16}$    | •                | 2.30     |
|       | F-21A    | 6.3 CT           | 10.0           | 115             | 1,500                   | A         | 1-Leads         | 3 $\frac{3}{32}$ | 2 $\frac{3}{32}$ | 3 $\frac{3}{8}$ | 2 $\frac{1}{4}$     | 2                | 3.80     |
| F-22A | 6.3 CT   | 20.0             | 115            | 2,000           | A                       | 2-Leads   | 3 $\frac{3}{8}$ | 3 $\frac{3}{32}$ | 4 $\frac{3}{8}$  | 2 $\frac{1}{2}$ | 3                   | 7.00             |          |
| D     | F-28U†   | 7.5 CT or 6.3 CT | 25.0           | 115             | 3,000                   | U         | Leads & Lugs    | 4 $\frac{3}{8}$  | 3 $\frac{3}{16}$ | 3 $\frac{3}{8}$ | 3                   | 3 $\frac{3}{16}$ | 7.50     |
| E     | F-180X   | 10.0 CT          | 1.0            | 115             | 1,500                   | X         | Leads           | 1 $\frac{1}{2}$  | 3 $\frac{3}{16}$ | 1 $\frac{3}{4}$ | 2 $\frac{3}{16}$    | •                | 0.90     |
|       | F-31X    | 10.0 CT          | 3.0            | 115             | 2,000                   | X         | Leads           | 2 $\frac{1}{2}$  | 3 $\frac{3}{4}$  | 2 $\frac{1}{8}$ | 3 $\frac{3}{8}$     | •                | 1.70     |

# 60 Hz †Tapped primary to produce lower voltages CT = Center Tap Mounting hole sizes: X =  $\frac{3}{16}$ " U =  $\frac{13}{64}$  x  $\frac{3}{8}$ " A =  $\frac{3}{8}$  x  $\frac{3}{16}$ "

