

F-90X

Electrical Specifications (@25C)

1. Max Power = 1.26 – 7.2VA
2. Primary: 115V¹, 60 Hz
3. Secondary: See table below
4. DC Current Rating: 0.1ADC²
5. Temperature Rise: 35C TYP (45C MAX allowed)

Description:

The F-90X is a chassis mount power transformer that was designed with multiple primaries and secondaries to give the user maximum flexibility. The F-90X is intended for use with full wave center tap or bridge rectifiers, but may be used with voltage doubler circuits at one half of the rated current.

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 1500V between primary and secondary windings as well as between the primary / secondary windings and the core.

Dimensions:

Units: inches

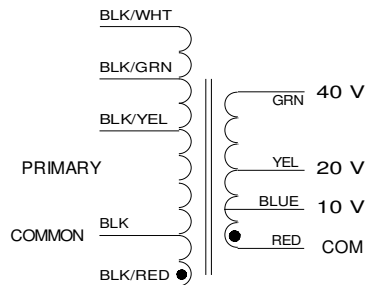
| H | W | D | MW |
|-------|-------|-------|-------|
| 1.625 | 2.812 | 1.625 | 2.375 |

Weight: 0.70 lbs

Connections:

Primary – 22AWG, UL 1015, 7.0 “± 1”, strip & tin 0.250” ± 0.062”
 Secondary – 22AWG, UL 1015, 7.0 “± 1”, strip & tin 0.250” ± 0.062”

Schematic:



| Primary | Secondary | | | |
|--------------------|------------|------------|------------|------------|
| | GRN to RED | GRN to BLU | YEL to RED | BLU to RED |
| BLK/YEL to BLK | 40V CT | 30V | 20V CT | 10V |
| BLK/YEL to BLK/RED | 38V CT | 28.5V | 19V CT | 9.5V |
| BLK/GRN to BLK | 34V CT | 25.5V | 17V CT | 8.5V |
| BLK/GRN to BLK/RED | 32V CT | 24V | 16V CT | 8V |
| BLK/WHT to BLK | 30V CT | 22.5V | 15V CT | 7.5V |
| BLK/WHT to BLK/RED | 28V | 21V | 14V CT | 7V |

RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

* Upon printing, this document is considered “uncontrolled”. Please contact Triad Magnetics’ website for the most current version.

¹ Tapped primary to produce lower output voltages.

² DC amp rating with a full wave bridge rectifier.

