

## F-90X

### Electrical Specifications (@25C)

1. Max Power = 1.26 – 7.2VA
2. Primary: 115V<sup>1</sup>, 60 Hz
3. Secondary: See table below
4. DC Current Rating: 0.1ADC<sup>2</sup>
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

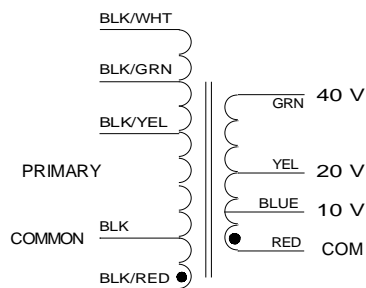
H	W	D	MW
1.625	2.812	1.625	2.375

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:



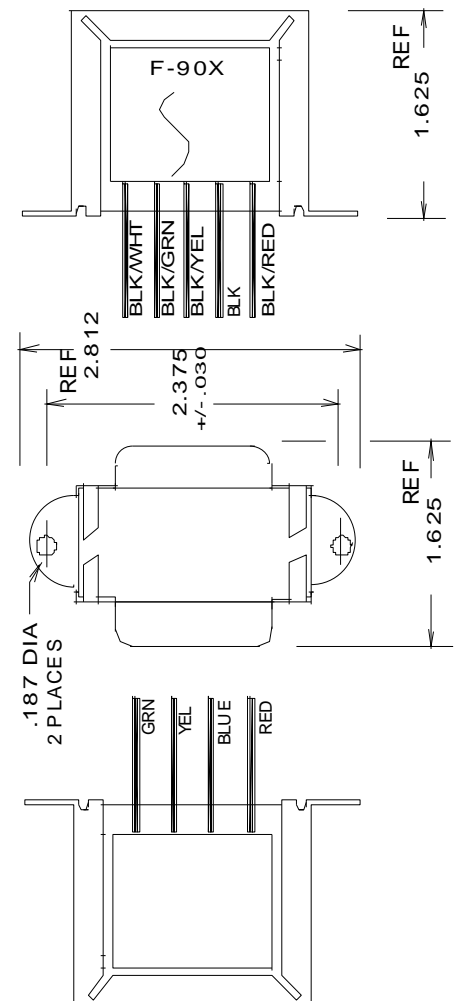
Primary	Secondary			
	GRN to RED	GRN to BLU	YEL to RED	BLU to RED
BLK/YEL to BLK	40V CT	30V	20V CT	10V
BLK/YEL to BLK/RED	38V CT	28.5V	19V CT	9.5V
BLK/GRN to BLK	34V CT	25.5V	17V CT	8.5V
BLK/GRN to BLK/RED	32V CT	24V	16V CT	8V
BLK/WHT to BLK	30V CT	22.5V	15V CT	7.5V
BLK/WHT to BLK/RED	28V	21V	14V CT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

**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

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

<sup>1</sup> Tapped primary to produce lower output voltages.

<sup>2</sup> DC amp rating with a full wave bridge rectifier.



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