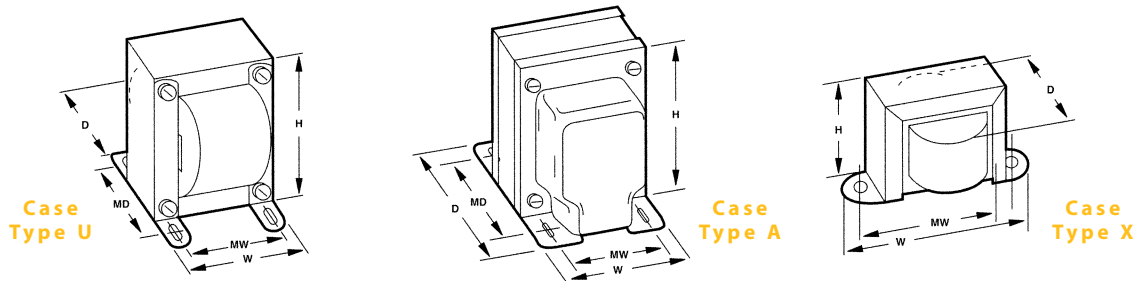


# Power Transformers

## Chassis Mount: Universal



### :: Description

Triad chassis mount power transformers provide maximum performance when integrated into full wave center tap or bridge type circuits with silicon or selenium rectifiers. The secondary voltages are selected by primary taps. The secondaries of the Series F-90 transformers may be connected to provide a wide variety of output voltages (see Technical Notes). The Series F-90 transformers are designed for use with silicon diode rectifiers to supply the DC voltages for transistors in their various applications. They are 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.

### :: Specifications

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

**Secondary AC:** F-90 Series - 14 to 40 (FWCT)  
F-90 Series - 7 to 30 (FWB)

### :: Universal Secondaries

Section	Type No.	Primary Voltage	Secondary AC		Case Type	Connections	Dimensions			Mounting Dimensions		Wt. lbs.
			Volts	Amps			H	W	D	MW	MD	
A	F-360U	115/230	0-6.5/13/19.5/26	3.0	U	Leads	3 $\frac{3}{8}$	2 $\frac{1}{16}$	2 $\frac{3}{8}$	2 $\frac{1}{4}$	2 $\frac{1}{16}$	3.50
B	F-361U	115/230	0-24/27/30/33/36	3.0	U	Leads	3 $\frac{3}{8}$	3 $\frac{3}{8}$	3 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{8}$	5.65

Mounting hole sizes: U =  $\frac{1}{16}$  x  $\frac{3}{8}$ "

### :: Universal, 115 Volts

Section	Type No.	Primary Volts	Secondary AC		Case Type	Connections	Case Dimensions			Mounting Dimensions		Wt. Lbs.
			AC Volts	*DC Amps			H	W	D	MW	MD	
C	F-94X	115†	10-20 CT-40 CT	0.035	X	Leads	1 $\frac{1}{8}$	2 $\frac{3}{8}$	1 $\frac{1}{8}$	2	•	0.50
D	F-90X	115†	10-20 CT-40 CT	0.1	X	Leads	1 $\frac{1}{8}$	2 $\frac{1}{16}$	1 $\frac{1}{8}$	2 $\frac{3}{8}$	•	0.70
E	F-91X	115†	10-20 CT-40 CT	0.3	X	Leads	2 $\frac{7}{32}$	3 $\frac{1}{16}$	2	3 $\frac{3}{8}$	•	1.50
F	F-93X	115†	10-20 CT-40 CT	0.75	X	Leads	2 $\frac{7}{32}$	4	2 $\frac{1}{4}$	3 $\frac{1}{16}$	•	2.40
G	F-92A	115†	10-20 CT-40 CT	1.0	A	Leads	3 $\frac{1}{16}$	2 $\frac{1}{2}$	3	2	2 $\frac{1}{16}$	3.25

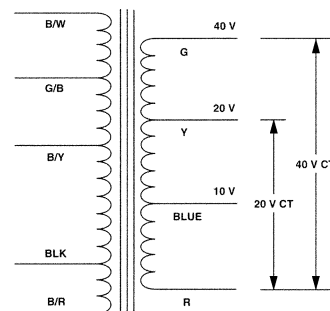
†Tapped primary to produce lower voltages CT = Center Tap Mounting hole sizes: X =  $\frac{3}{16}$ " A =  $\frac{3}{8}$  x  $\frac{1}{16}$ "

See Technical Notes below for voltages selected by various combinations of primary tap interconnections.

\*DC amp rating with a full wave bridge rectifier bi-pot tested at 1,500 VRMS

### Technical Notes

Primary 115 Volts			Secondary						
Lead	Lead	Leads	Green Red	Leads	Green Blue	Leads	Yellow Red	Leads	Blue Red
Black/Yellow	Black	40V CT Yellow		30.0V		20V CT Blue		10.0V	
Black/Yellow	Black/Red	38V CT Yellow		28.5V		19V CT Blue		9.5V	
Black/Green	Black	34V CT Yellow		25.5V		17V CT Blue		8.5V	
Black/Green	Black/Red	32V CT Yellow		24.0V		16V CT Blue		8.0V	
Black/White	Black	30V CT Yellow		22.5V		15V CT Blue		7.5V	
Black/White	Black/Red	28V CT Yellow		21.0V		14V CT Blue		7.0V	



F-90 Series