



POWER TRANSFORMER - VOLTAGE DOUBLER
TYPE PVD110

PVD110
APRIL 1961

Ferguson Type PVD110 Power Transformer is intended for general use in all types of electronic equipment employing silicon diode rectifiers in a full-wave voltage doubling circuit.

The H.T. secondary is tapped to permit a wide range of D.C. output voltages to be obtained.

	<u>RATING</u>
PRIMARY	230, 240, 250V 50 cps.
H.T. SECONDARY TAPS	193V A.C. for 500V 200 mA D.C. Output*
	or. 183V A.C. for 475V 200 mA D.C. Output*
	or. 173V A.C. for 450V 200 mA D.C. Output*
L.T. SECONDARIES	6.3V-3A C.T. 6.3V-4A C.T.
EFFECTIVE H.T. SEC. IMP...	193V Tap-8.0 ohms, 183V Tap-7.4 ohms
	173V Tap-6.9 ohms

*When used in a conventional full-wave voltage-doubling circuit employing silicon diodes of suitable rating, and two 100 MFD capacitors, the voltage at the input to the filter, at a loading of 200 mA D.C. is as indicated for the tap selected.

The effective H.T. secondary impedance is sufficient to limit the peak current through the diodes to a value within the makers' ratings, and no additional series resistance is necessary.

However, a suitable resistor may be connected in series if it is desired to reduce the voltage obtainable from any particular tap.

SCREENING

Brass foil electrostatic shield between windings.

MOUNTING

Vertical side covers with mounting feet.

DIMENSIONS

HEIGHT	4-7/8 inches
WIDTH (W)	3-7/8 inches
LENGTH (L) (Over Covers)	4-1/2 inches
MOUNTING CENTRES	3-3/8 (W) x 2-3/4 (L) inches
MOUNTING HOLES	7/32 inches diam.
APPROXIMATE WEIGHT	11-1/2 lbs.

COLOR CODE

PRIMARY	250V-Orange, 240V-Red, 230V-Brown, COM-Black
H.T. SECONDARY	193V-Blue, 183V-White, 173V-Brown, COM-Yellow
L.T. SECONDARIES.....	6.3V-3A-Yellow Sleeves, C.T.-Blue Sleeve
	6.3V-4A-Brown Sleeves
ELECTROSTATIC SHIELD.	Grey



TRANSFORMERS PTY. LTD.

TYPE

PVD 110

193V AC In 500V DC
200 mA

ENGINEERED TO-DAY
FOR
TO-MORROW'S REQUIREMENTS

FERGUSON
TRANSFORMERS PTY. LTD.
TYPE

PVD 110

193V AC for 500V DC
200 mA
ENGINEERED TO-DAY
FOR
TO-MORROW'S REQUIREMENTS

PVD 110

2-62

Ferguson
general use
silicon oil
circuit.
The
D.C. out

PRIMARY
H.T.

L.
E.



-FERGUSON-

POWER TRANSFORMER - VOLT
TYPE PVD110

Ferguson Type PVD110 Power Transformer is designed for general use in all types of electronic equipment employing silicon diode rectifiers in a full-wave bridge circuit.

The H.T. secondary is tapped for 0-250-0 V.A.C. output voltages to be obtained.

	RATING
PRIMARY	250, 240, 230, 220, 210, 200, 190, 180, 170, 160, 150, 140, 130, 120, 110, 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 5, 0
H.T. SECONDARY TAPS	193V or 183V or 173V
L.T. SECONDARIES	6.3V
EFFECTIVE H.T. SEC. IMP.	193V 173V

*When used in a conventional power supply circuit employing silicon diode rectifiers and 100 MFD capacitors, the voltage regulation is within 1% at a loading of 200 mA D.C. is recommended.

The effective H.T. secondary current should not exceed the makers' ratings, and no other loads should be connected to the secondary.



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Ferguson Type PVD110 Power Transformer is intended for general use in all types of electronic equipment employing silicon diode rectifiers in a full-wave voltage doubling circuit.

The H.T. secondary is tapped to permit a wide range of D.C. output voltages to be obtained.

	RATING	
PRIMARY	230, 240, 250V	50 cps.
H.T. SECONDARY TAPS	193V A.C. for	500V 200 mA D.C. Output*
	or 183V A.C. for	475V 200 mA D.C. Output*
	or 173V A.C. for	450V 200 mA D.C. Output*
L.T. SECONDARIES	6.3V-3A C.T.	6.3V-4A C.T.
EFFECTIVE H.T. SEC. IMP...	193V Tap-	8.0 ohms, 183V Tap-
	173V Tap-	7.4 ohms, 6.9 ohms

*When used in a conventional full-wave voltage-doubling circuit employing silicon diodes of suitable rating, and two 100 MFD capacitors, the voltage at the input to the filter, at a loading of 200 mA D.C. is as indicated for the tap selected.

The effective H.T. secondary impedance is sufficient to limit the peak current through the diodes to a value within the makers' ratings, and no additional series resistance is necessary.

However, a suitable resistor may be connected in series if it is desired to reduce the voltage obtainable from any particular