

35W4



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HALF-WAVE VACUUM RECTIFIER

Typical Operation without Panel Lamp in Conventional Half-Wave Circuit with Capacitor-Input Filter:

AC Plate-Supply Voltage (RMS)	117	volts
Filter-Input Capacitor	40	μ f
Min. Total Effective Plate-Supply Imped.	15	ohms
DC Output Current	100	ma
DC Output Voltage at Input to Filter (Approx.):		
→ At half-load current (50 ma.)	135	volts
At full-load current (100 ma.)	120	volts
Voltage Regulation (Approx.):		
→ Half-load to full-load current	15	volts

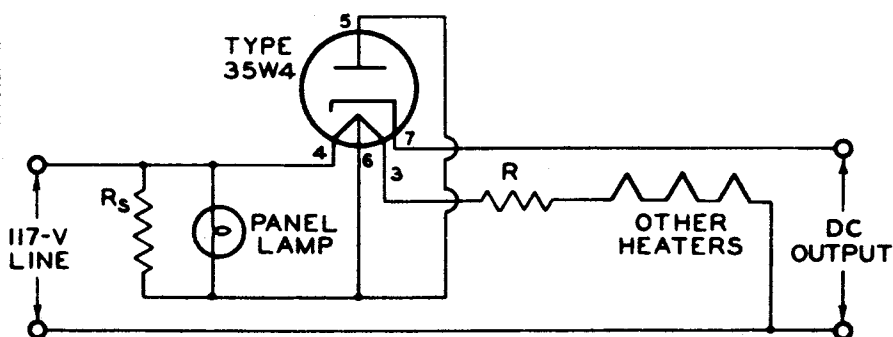
Maximum Circuit Values:

Panel-Lamp Shunting Resistor:*

For dc output current of	70 ma.	800 max.	ohms
	80 ma.	400 max.	ohms
	90 ma.	250 max.	ohms

*Required when dc output current is greater than 60 ma.

HALF-WAVE CIRCUIT with No.40 or No.47 Panel Lamp



DROP ACROSS R AND ALL HEATERS (WITH PANEL LAMP) SHOULD EQUAL 117 VOLTS AT 0.15 AMPERE. R_s = SHUNTING RESISTOR REQUIRED WHEN DC OUTPUT CURRENT EXCEEDS 60 MILLIAMPERES

92CS-6626

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→ Indicates a change.



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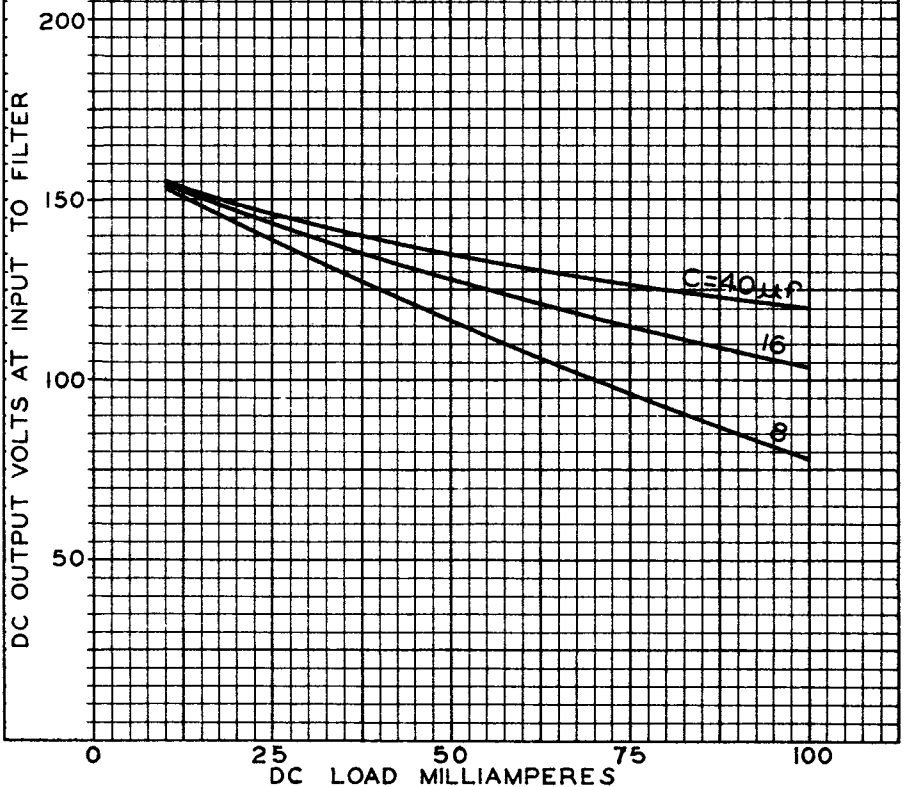
35W4 OPERATION CHARACTERISTICS HALF-WAVE RECTIFIER

$E_f = 35$ VOLTS BETWEEN PINS № 3 & № 4
(NO TAP CONNECTION)

PLATE VOLTS = 117 RMS

TOTAL EFFECTIVE PLATE-SUPPLY
IMPEDANCE = 15 OHMS

C = CAPACITOR INPUT TO FILTER

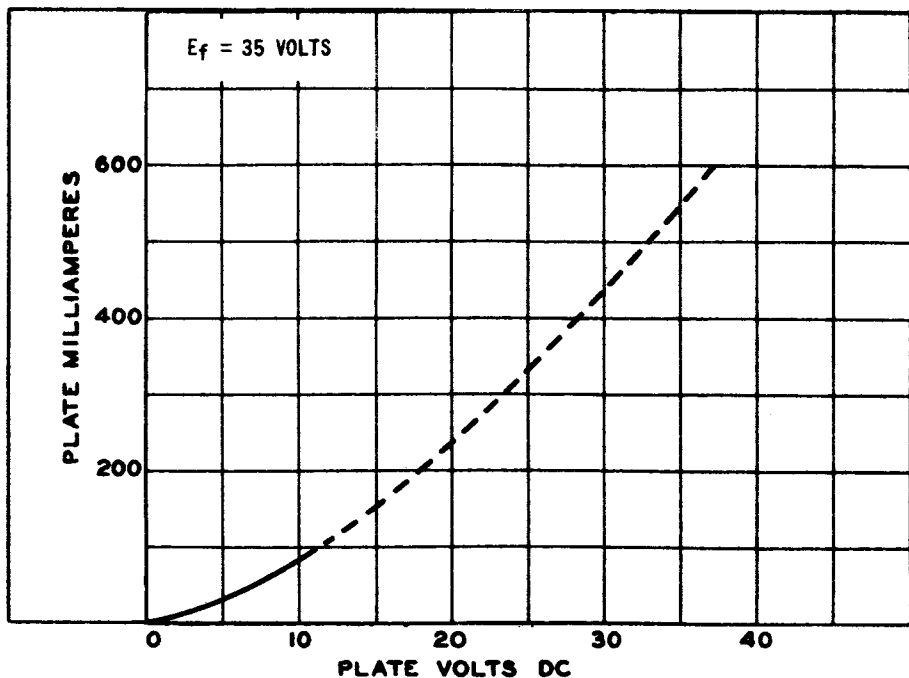


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AVERAGE PLATE CHARACTERISTIC



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