



45Z5-GT

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**HALF-WAVE HIGH-VACUUM RECTIFIER**

Heater Coated Unipotential Cathode

Voltage { Entire Heater (pins 2 & 7) 45 a-c or d-c volts
 Panel Lamp Section (pins 2 & 3) 7.5 a-c or d-c volts
 with 0.15 amp. between pins 2 & 7

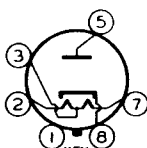
Current 0.15 amp.

Maximum Overall Length 3-5/16" ←
 Maximum Seated Height 2-3/4" ←
 Maximum Diameter 1-5/16" ←
 Bulb T-9

Base Intermediate Shell Octal 6-Pin

Pin 1—No Connection
 Pin 2—Heater
 Pin 3—Heater Tap
 Pin 5—Plate
 Pin 7—Heater
 Pin 8—Cathode

Mounting Position Any



BOTTOM VIEW (G-6AD)

HALF-WAVE RECTIFIER

A-C Plate Voltage 235 max. volts ←
 Peak Inverse Voltage 700 max. volts ←
 Peak Plate Current 600 max. ma. ←
 D-C Output Current:

With Panel Lamp and { No Shunting Resistor 60 max. ma.
 { Shunting Resistor 90 max. ma. ←
 Without Panel Lamp 100 max. ma. ←

Shunting Resistor:
 For D-C Output Current of 70 ma. 800 max. ohms ←
 80 ma. 400 max. ohms ←
 90 ma. 250 max. ohms ←

D-C Heater-Cathode Potential 350 max. volts ←
 Panel-Lamp-Sect. Volt. (RMS) when panel lamp fails 15 max. volts ←
 Typical Operation: ←

*With #40 or #47 Panel Lamp in Circuit Below with
 Condenser-Input Filter*

Heater Cur. between Pins 3 & 7	0.15	0.15	0.15	0.15	0.15	amp.
Heater Volt. between Pins 2 & 7	42	42	42	42	42	volts
Section Volt. between Pins 2 & 3	5.5	5.5	5.5	5.5	5.5	volts
A-C Plate Voltage (RMS)	117	117	117	117	235	volts
Tot. Eff. Plate-Supply Imped. [▲]	15	15	15	15	100 min.	ohms
D-C Output Current	60	70	80	90	60	ma.
Shunting Resistance	-	300	150	100	-	ohms

*Without Panel Lamp - Conventional Half-Wave Circuit with
 Condenser-Input Filter*

Heater Cur. between Pins 3 & 7	0.15	0.15	amp.
Heater Volt. between Pins 2 & 7	45	45	volts
Section Volt. between Pins 2 & 3	7.5	7.5	volts
A-C Plate Voltage (RMS)	117	235	volts
Total Effective Plate-Supply Impedance [▲]	15	100 min.	ohms
D-C Output Current	100	100	ma.

[▲] When a filter-input condenser larger than 40 μ t is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

The Circuit under Type 35Z5-GT also applies to the 45Z5-GT.

← Indicates a change.

Jan. 30, 1942

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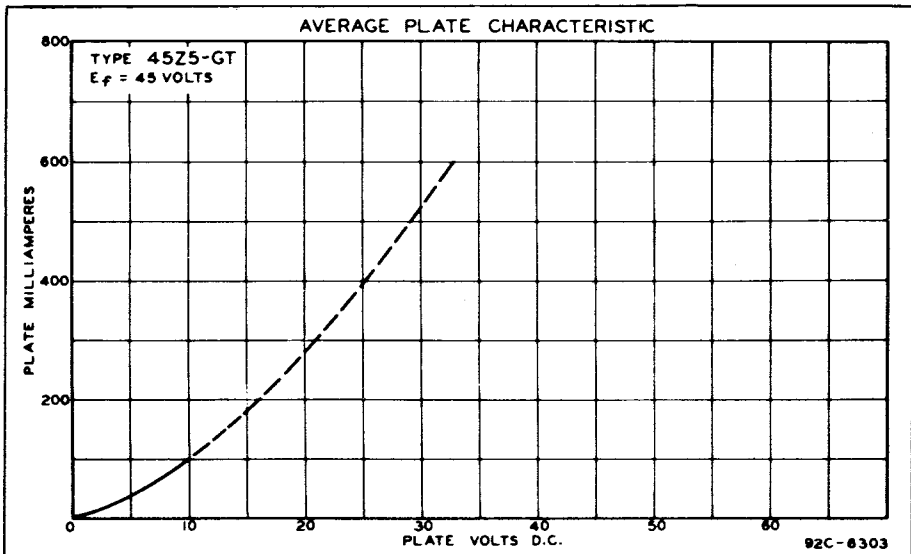
DATA

45Z5-GT

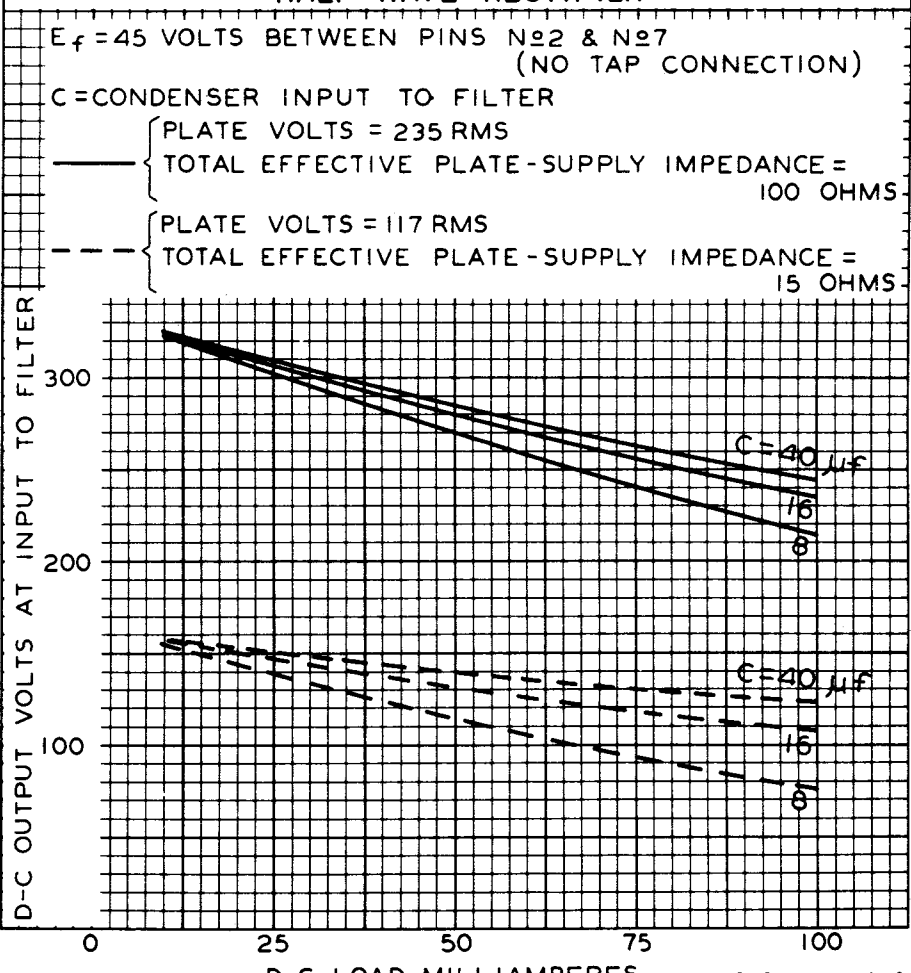


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OPERATION CHARACTERISTICS HALF-WAVE RECTIFIER



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