

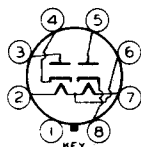


50Z7-G

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HIGH-VACUUM RECTIFIER-DOUBLER

Heater	Coated Unipotential Cathodes		
Voltage	Entire Heater (pins #2 & #7)	50	a-c or d-c volts
	Panel Lamp Section (pins #6 & #7) with 0.15 amp. between pins #2 & #7	2.0	a-c or d-c volts
Current		0.15	amp.
Maximum Overall Length			4-1/8"
Maximum Seated Height			3-9/16"
Maximum Diameter			1-9/16"
Bulb			ST-12
Base		Small Shell Octal 8-Pin	
Pin 1 - No Connection		Pin 5 - Plate #1	
Pin 2 - Heater		Pin 6 - Heater Tap	
Pin 3 - Plate #2		Pin 7 - Heater	
Pin 4 - Cathode #2		Pin 8 - Cathode #1	
Mounting Position			Any



BOTTOM VIEW (G-8AN)

Maximum Ratings Are Design-Center Values

RECTIFIER OR DOUBLER

Peak Inverse Plate Voltage	700 max. volts
Peak Plate Current per Plate	400 max. ma.
D-C Output Current per Plate with Panel Lamp	65 max. ma.
D-C Heater-Cathode Potential	350 max. volts
Panel-Lamp Sect. Volt. (between pins #6 & #7)	2.5 max. volts

Typical Operation as Half-Wave Rectifier- With #292 or #292A Panel Lamp:*

Heater Cur. (between pins #2 & #6)	0.15	0.15	amp.
Heater Volt. (between pins #2 & #7) approx.	50	50	volts
A-C Plate Supply Voltage per Plate (RMS)	117	235	volts
Min. Total Effect. Plate-Supply Imped. per Plate	15	100	ohms
D-C Output Current per Plate	65	65	ma.

Typical Operation as Voltage Doubler- With #292 or #292A Panel Lamp:

Heater Cur. (between pins #2 & #6)	0.15	amp.
Heater Voltage (between pins #2 & #7) approx.	50	volts
A-C Plate Supply Voltage per Plate (RMS)	117	volts
Min. Total Effect. Plate-Supply Imped. per Plate	15	ohms
D-C Output Current	65	ma.

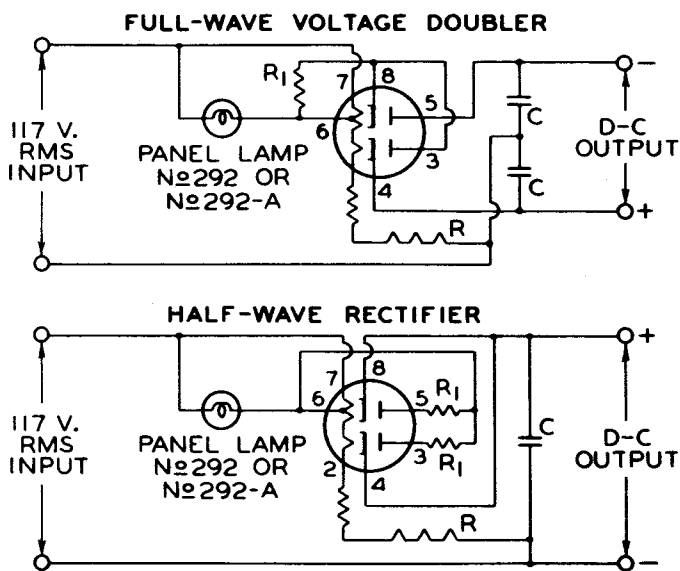
* In half-wave rectifier service, the two units may be used separately or in parallel.

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HIGH-VACUUM RECTIFIER-DOUBLER



C = Filter Condenser.

R = Heaters of Other Tubes in Series with Voltage-Dropping Resistor.

R_1 = Protective Resistor.

NOTE: Drop across R and all heaters (with panel lamp) should equal 117 volts at 0.15 amp.

The license extended to the purchaser of tubes appears in the License Notice accompanying them. Information contained herein is furnished without assuming any obligations.

AUG. 2, 1943

RCA VICTOR DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA