

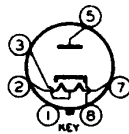


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35Z5-GT/G

35Z5-GT/G

HALF-WAVE HIGH-VACUUM RECTIFIER

Heater	Coated Unipotential Cathode	
Voltage	{ Entire Heater (pins 2 & 7)	35 a-c or d-c volts
	{ Panel Lamp Section (pins 2 & 3) with 0.15 amp. between pins 2 & 7	7.5 a-c or d-c volts
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 5 - Plate
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Heater Tap		Pin 8 - Cathode
Mounting Position		Any



BOTTOM VIEW (G-6AD)

Maximum Ratings Are Design-Center Values

HALF-WAVE RECTIFIER

Peak Inverse Plate 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.
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
on Next Page 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	32	32	32	32	32	volts
Section Volt. between Pins 2 & 3	5.5	5.5	5.5	5.5	5.5	volts
A-C Plate-Supply Voltage (RMS)	117	117	117	117	235	volts
Filter Input Condenser	40	40	40	40	40	μf
Min. Total Effec. Plate-Supply Imped.	15	15	15	15	100	ohms
D-C Output Current	60	70	80	90	60	ma.
Shunting Resistance	-	300	150	100	-	ohms

Typical Operation Without Panel Lamp in 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	35	35	volts
Section Volt. between Pins 2 & 3	7.5	7.5	volts
A-C Plate-Supply Voltage (RMS)	117	235	volts
Filter Input Condenser	40	40	μf
Min. Total Effec. Plate-Supply Imped.	15	100	ohms
D-C Output Current	100	100	ma.
D-C Voltage (At input to filter):**			
At half-load current (50 ma.)	140	280	volts
At full-load current (100 ma.)	120	235	volts
Difference (Voltage Regulation)	20	45	volts
Percentage Regulation	14	16	%

* A pilot lamp shunting resistor is required for a d-c output current greater than 60 ma. See Typical Operation for representative values. Maximum values are as follows: for 70 ma., 800 ohms; for 80 ma., 400 ohms; for 90 ma., 250 ohms.
** Values are approximate.

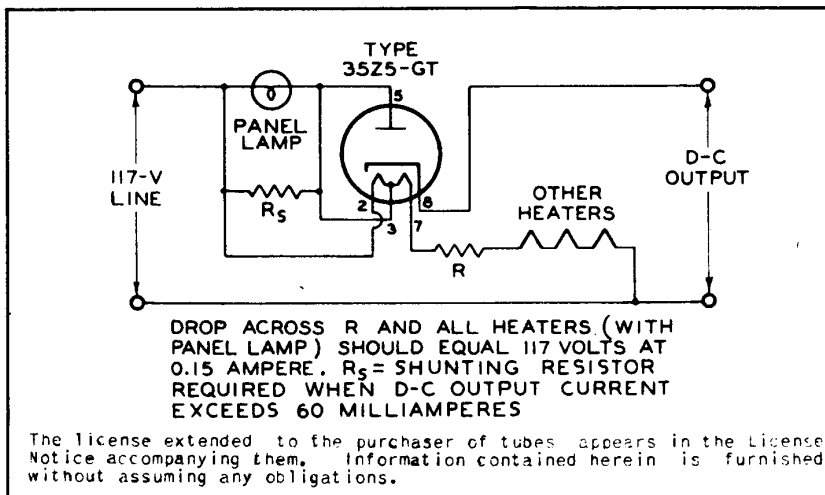
The Curve under Type 35Z4-GT also applies to the 35Z5-GT/G.

35Z5-GT

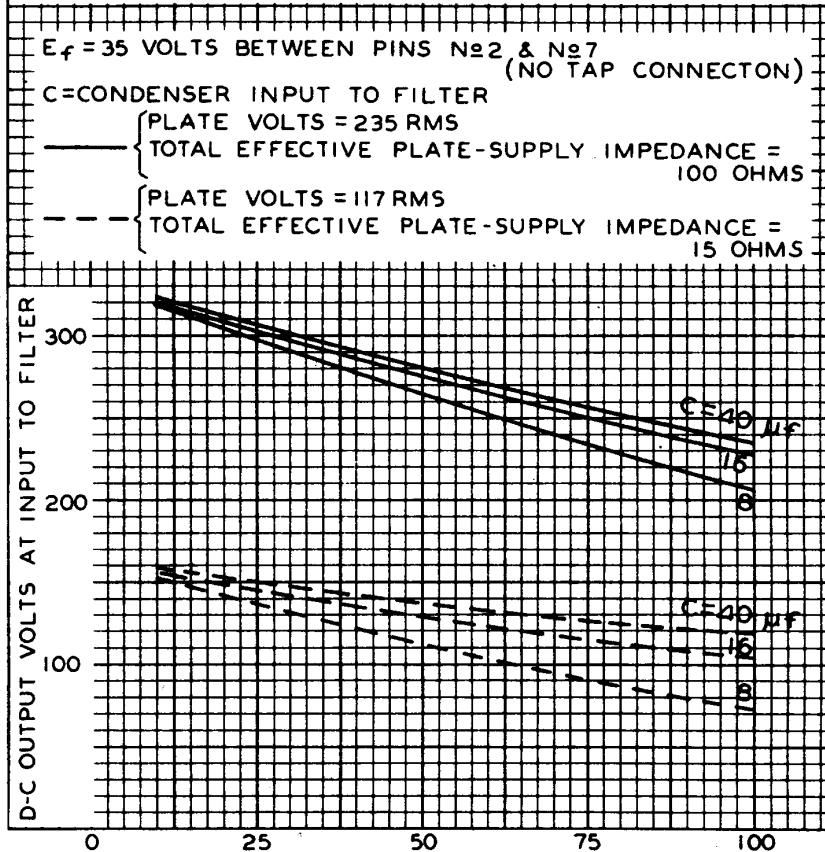


35Z5-GT

HALF-WAVE HIGH-VACUUM RECTIFIER



**OPERATION CHARACTERISTICS
HALF-WAVE RECTIFIER**



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RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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