

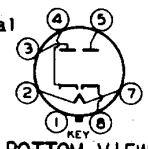


# 6H6, 6H6-GT/G

6H6  
6H6-GT/G

## TWIN DIODE

Heater	Coated Unipotential Cathodes	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
	<u>6H6</u>	<u>6H6-GT/G</u>
Direct Interelectrode Cap. <sup>o</sup>		
Plate #1 to Cathode #1	3.0	3.0 μmf
Plate #2 to Cathode #2	3.4	4.0 μmf
Plate #1 to Plate #2	0.10 max.	0.10 max. μmf
Maximum Overall Length	1-3/4"	3-5/16"
Maximum Seated Height	1-3/16"	2-3/4"
Maximum Diameter	1-5/16"	1-5/16"
Bulb	Metal Shell MT-8	T-9
Base	{ Small Wafer { Octal 7-Pin	{ Intermed. Shell { Octal 7-Pin
Basing Designation	7Q	G-7Q
Pin 1 { 6H6, Shell { 6H6-GT/G, Internal shield	(4) (3)	Pin 4 - Cathode #2 Pin 5 - Plate #1 Pin 7 - Heater Pin 8 - Cathode #1
Pin 2 - Heater	(2)	
Pin 3 - Plate #2	(1) (6)	
RCA Socket		Stock No. 9924
Mounting Position	BOTTOM VIEW	Any



Maximum Ratings Are Design-Center Values

### RECTIFIER OR DOUBLER

Peak Inverse Voltage		420 max. volts
Peak Plate Current per Plate		48 max. ma.
D-C Heater-Cathode Potential		330 max. volts
<i>As Half-Wave Rectifier:*</i>		
A-C Plate Voltage per Plate (RMS)	117	150 max. volts
Total Effect. Plate-Supply Impedance per Plate <sup>▲</sup>	15 min.	40 min. ohms
D-C Output Current per Plate	8 max.	8 max. ma.
<i>As Voltage Doubler:</i>		
	<u>Half-Wave</u>	<u>Full-Wave</u>
A-C Plate Voltage per Plate (RMS)	117	117 volts
Total Effect. Plate-Supply Impedance per Plate <sup>▲</sup>	30 min.	15 min. ohms
D-C Output Current	8 max.	8 max. ma.

<sup>o</sup> With shell or external and internal shields connected to cathodes.  
<sup>\*</sup> In half-wave service, the two units may be used separately or in parallel.  
<sup>▲</sup> When a filter-input condenser larger than 40 μf 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.

Circuits for the 6H6 and 6H6-GT/G are the same as those shown under Type 25Z5.

← Indicates a change.

AUG. 1, 1942

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

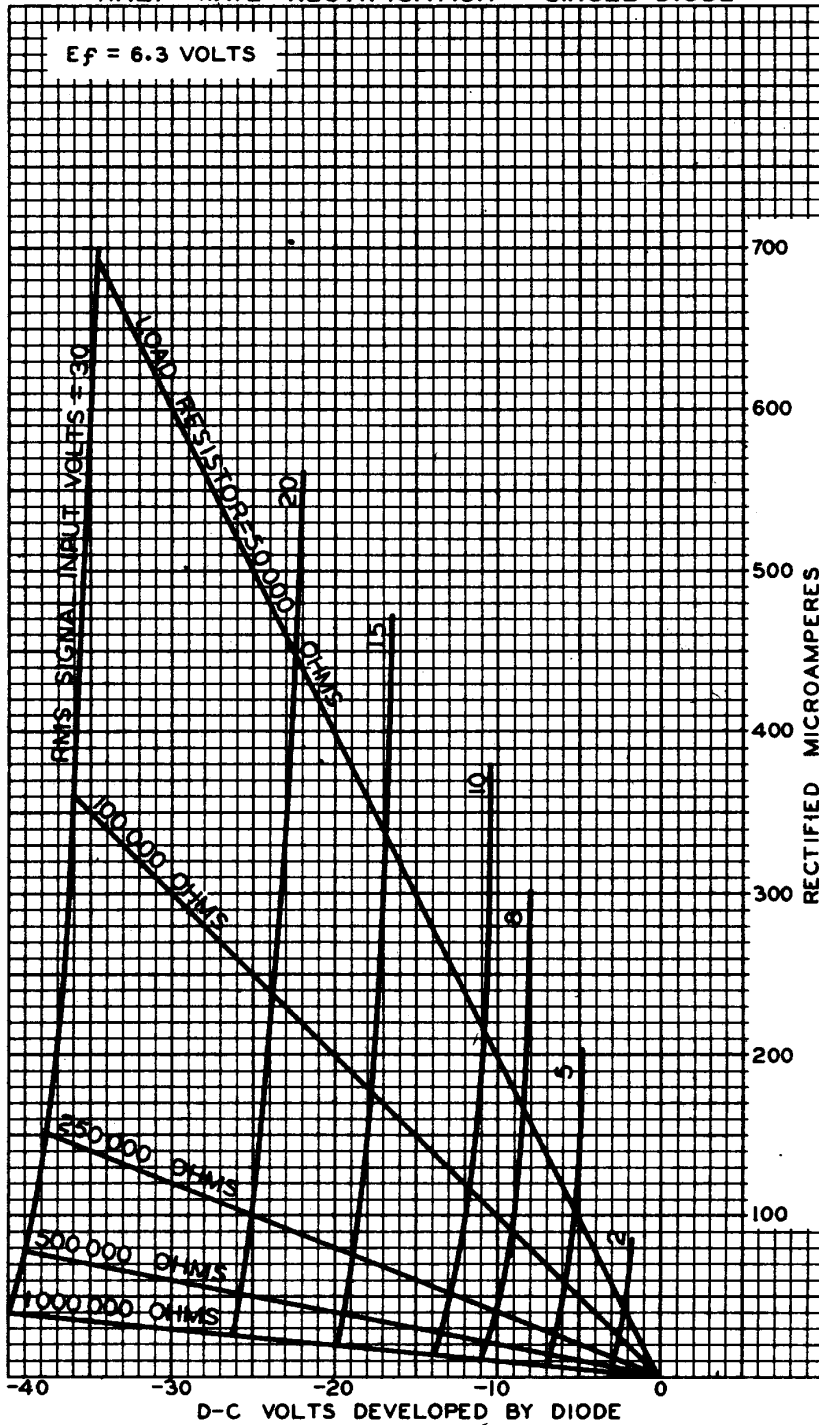
DATA

6H6



6H6

### AVERAGE CHARACTERISTICS HALF-WAVE RECTIFICATION - SINGLE DIODE



JULY 26, 1935

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

92C-4446