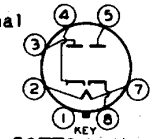
6H6, 6H6-GT/G

TWIN DIODE

Heater	Coated Unipotential Cathodes		
Voltage	6.3		a-c or d-c volts
Current	0.3		amp.
	6H6	*6H6-GT/G*	
Direct Interelectrode Cap.°			
Plate #1 to Cathode #1	3.0	3.0	μμf
Plate #2 to Cathode #2	3.4	4.0	μμf
Plate #1 to Plate #2	0.10 max.	0.10 max.	μμf
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		
Pin 2	Heater		
Pin 3	Plate #2		
Pin 4		Cathode #2	
Pin 5		Plate #1	
Pin 7		Heater	
Pin 8		Cathode #1	
RCA Socket		Stock No. 9924	
Mounting Position		Any	



BOTTOM VIEW

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
As Half-Wave Rectifier:*			
A-C Plate Voltage per Plate (RMS)	117	150 max.	volts
Total Effect. Plate-Supply Impedance per Plate▲	15 min.	40 min.	ohms
D-C Output Current per Plate	8 max.	8 max.	ma.
As Voltage Doubler:			
	Half-Wave	*Full-Wave*	
A-C Plate Voltage per Plate (RMS)	117	117	volts
Total Effect. Plate-Supply Impedance per Plate▲	30 min.	15 min.	ohms
D-C Output Current	8 max.	8 max.	ma.

° With shell or external and internal shields connected to cathodes.
* In half-wave service, the two units may be used separately or in parallel.
▲ 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.

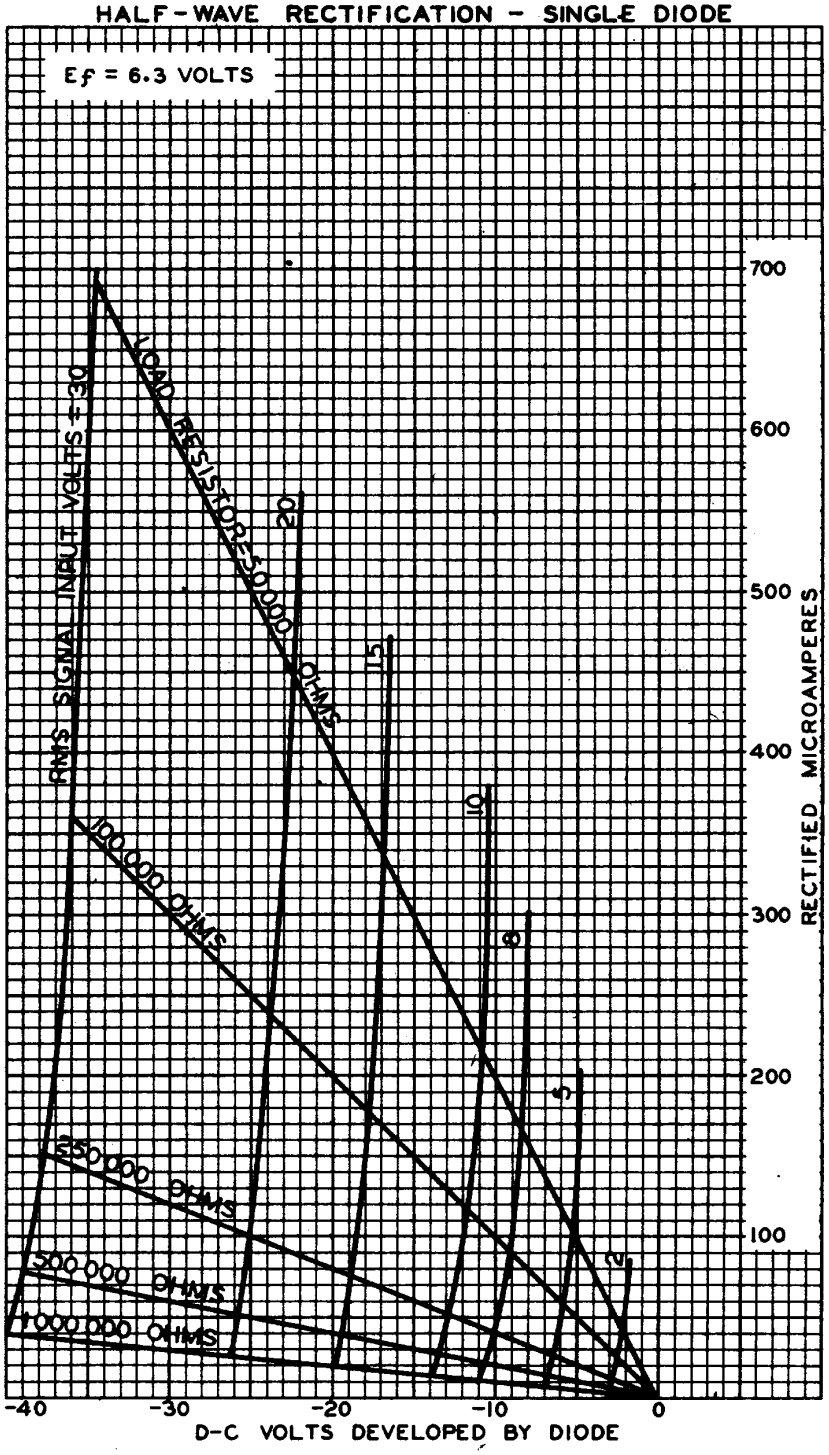
← Indicates a change.

6H6

6H6

AVERAGE CHARACTERISTICS

HALF-WAVE RECTIFICATION - SINGLE DIODE



JULY 26, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4446