



6H6, 6H6-GT/G

TWIN DIODE

6H6
6H6-GT/G

Heater	Coated Unipotential Cathodes	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.

	6H6	6H6-GT/G
Direct Interelectrode Cap. ⁰		
Plate #1 to Cathode #1	3.0	3.0 μf
Plate #2 to Cathode #2	3.4	4.0 μf
Plate #1 to Plate #2	0.10 max.	0.10 max. μf
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	70	G-7Q

Pin 1 { 6H6, Shell 6H6-GT/G, Internal shield	(4) (5)	Pin 4 - Cathode #2
Pin 2 - Heater	(3) (7)	Pin 5 - Plate #1
Pin 3 - Plate #2	(2) (6)	Pin 7 - Heater
	(1) KEY (8)	Pin 8 - Cathode #1

RCA Socket

Mounting Position

BOTTOM VIEW

Stock No. 9924
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

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.

⁰ 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 2525.

← Indicates a change.

AUG. 1, 1942

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA

6H6



6H6

AVERAGE CHARACTERISTICS HALF-WAVE RECTIFICATION - SINGLE DIODE

$E_f = 6.3$ VOLTS

