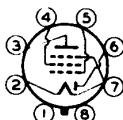




IN6-G

DIODE - POWER AMPLIFIER PENTODE

Filament	Coated	d-c volts
Voltage	1.4	amp.
Current	0.05	4"
Maximum Overall Length		3-7/16"
Maximum Seated Height		1-3/16"
Maximum Diameter		T-9
Bulb		Small Shell Octal 8-Pin
Base		Pin 5 - Pentode Grid
Pin 1 - No Connection		Pin 6 - Diode Plate
Pin 2 - Filament +		Pin 7 - Filament -
Pin 3 - Pentode Plate		Pin 8 - No Connection
Pin 4 - Pentode Screen		
Mounting Position	BOTTOM VIEW (G-7AM)	Any



AMPLIFIER

Plate Voltage	110	max. volts
Screen Voltage	110	max. volts
Zero-Sig. Cathode Current (Pentode Unit)	6	max. ma.
<i>Typical Operation and Characteristics - Class A₁ Amplifier:</i>		
Plate	90	volts
Screen	90	volts
Grid	-4.5	volts
Peak A-F Grid Voltage	-4.9	volts
Zero-Signal Plate Cur.	3.4	ma.
Max.-Signal Plate Cur.	3.4	ma.
Zero-Signal Screen Cur.	0.7	ma.
Max.-Signal Screen Cur.	1.2	ma.
Plate Res. (Approx.)	0.3	megohm
Transconductance	800	μmhos
Load Resistance	25000	ohms
Total Harmonic Distortion	7	%
Max.-Signal Power Output	100	mw

DIODE UNIT

The diode is located at the negative end of the filament, and is independent of the pentode unit except for the common filament.

July 1, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

TENTATIVE DATA