



IN6-G



DIODE - POWER AMPLIFIER PENTODE

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

BOTTOM VIEW (G-7AM)
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.