



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 μ mhos
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.