12A7

RECTIFIER-PENTODE

Heater ■	Coated Unipotential Cathodes	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.
Maximum Overall Length		4-17/32"
Maximum Seated Height		3-29/32"
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Small
Base		Small 7-Pin
Pin 1-Heater		Pin 5-Rectifier Plate
Pin 2-Pentode Plate		Pin 6-Pentode Cathode
Pin 3-Pentode Screen		Pin 7-Heater
Pin 4-Rectifier Cathode		Cap -Pentode Grid
Mounting Position		Any

BOTTOM VIEW (7K)

Maximum Ratings Are Absolute Values

PENTODE UNIT

Plate Voltage	135 max. volts
Screen Voltage	135 max. volts
Typical Operation and Characteristics-Class A_1 Amplifier:	
Plate	135 volts
Screen	135 volts
Grid	-13.5 volts
Cathode Res.	1175 ohms
Plate Res.	102000 ohms
Transcond.	975 μmhos
Plate Cur.	9 ma.
Screen Cur.	2.5 ma.
Load Res.	13500 ohms
Power Output	0.55 watt

RECTIFIER UNIT

With Condenser-Input Filter:	
A-C Plate Voltage (RMS)	125 max. volts
D-C Output Current	30 max. ma.

12A8-GT/G
PENTAGRID CONVERTER

Heater ■	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.15	amp.

The 12A8-GT/G is the same as the 6A8-GT except for heater rating.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.