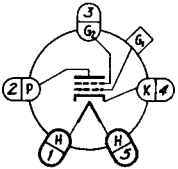


TETRODE
DETECTOR OR AMPLIFIER
Heater Type Glass Bulb

The 24-A is a tetrode type amplifier tube designed for service as a detector or amplifier in a-c operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	2.5	volts
Heater Current	1.75	amp
Maximum Plate Voltage	250	volts
Maximum Screen Voltage	90	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	0.007 max.*	μuf
Input	5	μuf
Output	10.5	μuf

AMPLIFIER - CLASS A

Plate Voltage	180	250	volts
Screen Voltage	90	90	volts
Grid Bias	-3	-3	volts
Amplification Factor	400	650	
Plate Resistance	0.4	0.6	megohm
Transconductance	1000	1050	μmhos
Plate Current	4	4	ma
Screen Current	1.7	1.7	ma

DETECTOR - BIASED TYPE

Plate Voltage	250	volts
Screen Voltage	20 to 45	volts
Grid Bias (approximate)	-5	volts
Plate Load	0.25	megohm
Plate Current	Adjusted to 0.1 ma. with no signal	

DETECTOR - GRID LEAK TYPE

Plate Voltage	180 max.	volts
Screen Voltage	20 to 45	volts
Grid	Conventional Grid Leak and Condenser	
Plate Load	0.25	megohm

The voltage between heater and cathode should be kept as low as possible where they are not directly connected.

*With tube shield.

