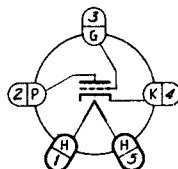


TRIODE
DETECTOR OR AMPLIFIER
Heater Type Glass Bulb

The 76 is a triode type amplifier tube designed for service as a detector or amplifier in storage battery or a-c operated receivers.

RATINGS

Heater Voltage (a-c or d-c) 6.3
Heater Current 0.3
Maximum Plate Voltage 250



BOTTOM VIEW OF SOCKET

6.3 volts
0.3 amp
250 volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate 2.8 μf
Input 3.5 μf
Output 2.5 μf

AMPLIFIER - CLASS A

Plate Voltage	100	250	volts
Grid Bias†	-5	-13.5	volts
Amplification Factor	13.8	13.8	
Plate Resistance	12000	9500	ohms
Transconductance	1150	1450	μmhos
Plate Current	2.5	5	ma

DETECTOR - BIASED TYPE

Plate Voltage	100	250	volts
Grid Bias (approximate)	-9	-20	volts
Plate Current	Adjusted to 0.2 ma. with no signal		

DETECTOR - GRID LEAK TYPE

Plate Voltage	45	volts
Grid	Return to Cathode	
Grid Leak Resistance	1 to 5	megohms
Grid Condenser	0.00025	μf

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

†The d-c resistance in the grid circuit should not exceed 1 megohm.

