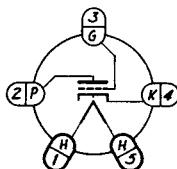


TRIODE
DETECTOR OR AMPLIFIER
Heater Type Glass Bulb

The 56 is a triode type amplifier tube designed for service as a detector or amplifier in a-c operated receivers.

RATINGS

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



BOTTOM VIEW OF SOCKET

2.5 volts
1.0 amp
250 volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	3.2	μuf
Input	3.2	μuf
Output	2.2	μuf

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)	-8	-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.

For characteristic curves refer to the type 76. The characteristics of the 56 are the same as those of the 76 except for the heater rating.