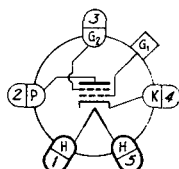


TETRODE
DETECTOR OR AMPLIFIER
Heater Type Glass Bulb

The 36 is a tetrode type amplifier tube designed for service as a high or audio frequency amplifier or detector in storage battery or a-c operated receivers.

RATINGS

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



BOTTOM VIEW OF SOCKET

6.3	volts
0.3	amp
250	volts
90	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	0.007*	pF
Input	3.7	pF
Output	9.2	pF

AMPLIFIER - CLASS A

Plate Voltage	100	135	180	250	volts
Screen Voltage	55	67.5	90	90	volts
Grid Bias	-1.5	-1.5	-3	-3	volts
Amplification Factor	470	475	525	595	
Plate Resistance	0.55	0.475	0.50	0.55	megohm
Transconductance	850	1000	1050	1000	microhm
Plate Current	1.8	2.8	3.1	3.2	ma
Screen Current				1.7 max.	ma

DETECTOR - BIASED TYPE

Plate Supply Voltage	100	180	250	volts
Screen Voltage	55	67.5	90	volts
Grid Bias (approximate)	-5	-6	-8	volts
Plate Load	0.25	0.25	0.25	megohm
Plate Current	Adjusted to 0.1 ma. with no signal			

DETECTOR - GRID LEAK TYPE

Plate Supply Voltage	135	volts
Screen Voltage	Up to 45	volts
Grid	Return to Cathode	
Plate Load	0.25	megohm
Grid Leak Resistance	2 to 5	megohm
Grid Condenser	0.00025	μF

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

*With tube shield

