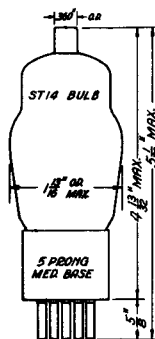
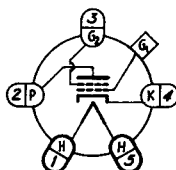


TETRODE
REMOTE CUTOFF AMPLIFIER
Heater Type Glass Bulb



The 35/51 is a tetrode type amplifier tube with remote cutoff characteristics designed for service as a high frequency amplifier or mixer 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.*	μf
Input	5	μf
Output	10.5	μf

AMPLIFIER - CLASS A

Plate Voltage	180	250	volts
Screen Voltage	90	90	volts
Grid Bias	-3 min.	-3 min.	volts
Amplification Factor	305	420	
Plate Resistance	0.3	0.4	megohm
Transconductance	1020	1050	μmhos
Plate Current	6.3	6.5	ma
Screen Current	2.5	2.5	ma
Transconductance (At -42.5 volts bias)	2	2	μmhos

MIXER - SUPERHETERODYNE CIRCUIT

Plate Voltage	250	volts
Screen Voltage	90	volts
Grid Bias (approximate)	-7	volts

The grid bias is not critical with an oscillator peak voltage 1 volt less the grid bias.

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

*With tube shield.

