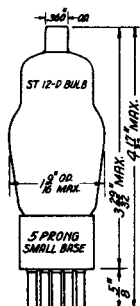


PENTODE
REMOTE CUTOFF AMPLIFIER
Heater Type Glass Bulb



The 39/44 is a pentode type amplifier tube with remote cutoff characteristics designed for service as a high frequency amplifier or mixer in storage battery or a-c operated receivers.

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.3	amp
Maximum Plate Voltage	250	volts
Maximum Screen Voltage	90	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	0.007 max*	μf
Input	3.5	μf
Output	10	μf

AMPLIFIER - CLASS A

Plate Voltage	90	180	250	volts
Screen Voltage	90	90	90	volts
Grid Bias	-3	-3	-3	
Amplification Factor	360	750	1050	
Plate Resistance	0.375	0.75	1.0	megohm
Transconductance	960	1000	1050	μmhos
Plate Current	5.6	5.8	5.8	ma
Screen Current	1.6	1.4	1.4	ma
Transconductance (At -42.5 volts bias)	2	2	2	μmhos

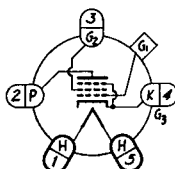
MIXER - SUPERHETERODYNE CIRCUIT

Plate Voltage	90	180	250	volts
Screen Voltage	90	90	90	volts
Grid Bias (approximate)†	-7	-7	-7	volts

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

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

*With tube shield.



BOTTOM VIEW OF SOCKET

