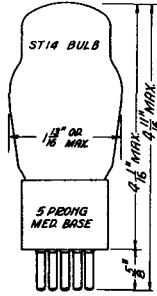


PENTODE
POWER AMPLIFIER
Filament Type Glass Bulb



The 33 is a pentode type power amplifier tube designed for service in the output stage of battery operated receivers.

RATINGS

Filament Voltage
Filament Current
Maximum Plate Voltage
Maximum Screen Voltage

BOTTOM VIEW OF SOCKET

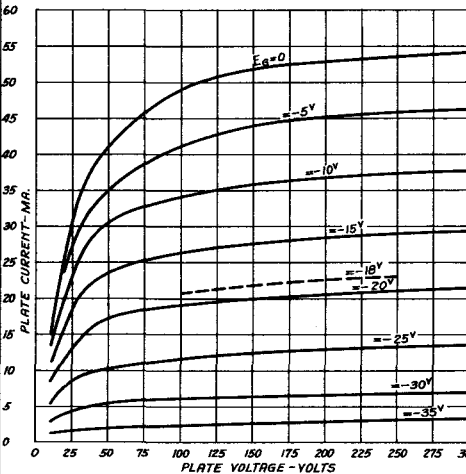
2.0 d-c volts
0.26 amp
180 volts
180 volts

AMPLIFIER - CLASS A

Plate Voltage	135	180	volts
Screen Voltage	135	180	volts
Grid Bias	-13.5	-18	volts
Amplification Factor	70	90	
Plate Resistance	50000	55000	ohms
Transconductance	1450	1700	μmhos
Plate Current	14.5	22	ma
Screen Current	3	5	ma
Load Resistance	7000	6000	ohms
Power Output (7% total distortion)	0.7	1.4	watts

AVERAGE PLATE CHARACTERISTICS 33

$E_f = 2.0^{\circ}\text{DC}$ $E_{s0} = 180^{\circ}\text{V}$



AVERAGE CHARACTERISTICS AMPLIFIER - CLASS A

$E_f = 2.0^{\circ}\text{DC}$ $E_s = 180^{\circ}\text{V}$ $E_g = -18^{\circ}\text{V}$
SIGNAL -125° RMS

