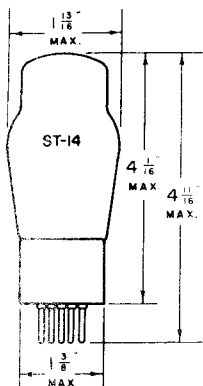


## TUNG-SOL



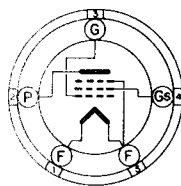
## PENTODE POWER AMPLIFIER

COATED FILAMENT

2.0 VOLTS 0.26 AMPERE  
DC

GLASS BULB

MEDIUM 5 PIN BASE



5K

BOTTOM VIEW

THE TUNG-SOL 33 IS A FILAMENT TYPE POWER AMPLIFIER DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF BATTERY AND DC OPERATED RECEIVERS.

## OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	135	180 <sup>MAX.</sup>	VOLTS
SCREEN VOLTAGE	135	180 <sup>MAX.</sup>	VOLTS
CONTROL GRID VOLTAGE <sup>A</sup>	-13.5	-18	VOLTS
GRID CIRCUIT RESISTANCE <sup>G</sup>	0.5 <sup>MAX.</sup>	0.5 <sup>MAX.</sup>	MEGOHM
PLATE CURRENT	14.5	22	MA.
SCREEN CURRENT	3	5	MA.
TRANSCONDUCTANCE	1450	1700	μMHOS
AMPLIFICATION FACTOR	70	90	
LOAD RESISTANCE	7000	6000	OHMS
TOTAL HARMONIC DISTORTION	7	7	PER CENT
POWER OUTPUT	0.7	1.4	WATTS

## DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO FILAMENT	8	μμf
PLATE TO FILAMENT	12	μμf
CONTROL GRID TO PLATE	1	μμf

<sup>A</sup> RETURN TO NEGATIVE FILAMENT (FIB 05)<sup>G</sup> WITH FIXED BIASPLATE  
507-2AUG. 14  
1939

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