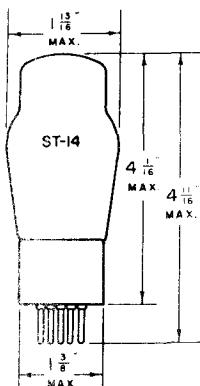


TUNG-SOL



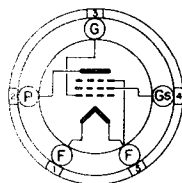
PENTODE POWER AMPLIFIER

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 A₁ AMPLIFIER

PLATE VOLTAGE	135	180 ^{MAX.}	VOLTS
SCREEN VOLTAGE	135	180 ^{MAX.}	VOLTS
CONTROL GRID VOLTAGE ^A	-13.5	-18	VOLTS
GRID CIRCUIT RESISTANCE ^G	0.5 ^{MAX.}	0.5 ^{MAX.}	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

^A RETURN TO NEGATIVE FILAMENT (PIN #5)^G WITH FIXED BIAS

