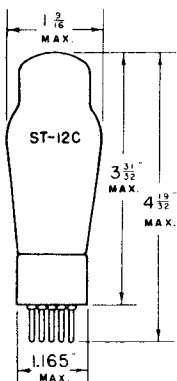


TUNG-SOL



DYNAMIC COUPLED POWER AMPLIFIER

UNIPOTENTIAL CATHODES

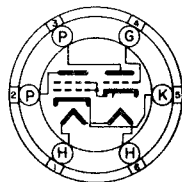
HEATER

25 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB

SMALL 6 PIN BASE

6D_a

BOTTOM VIEW

THE TUNG-SOL 25B5 CONSISTS OF TWO DYNAMICALLY COUPLED TRIODES AND IS DESIGNED FOR SERVICE IN THE POWER OUTPUT STAGE OF AC-DC RECEIVERS. ALL NECESSARY BIASES ARE SUPPLIED INTERNALLY. IT RATINGS AND CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 25N6G.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

OUTPUT PLATE (2) VOLTAGE	110	180 ^{MAX.}	VOLTS
INPUT PLATE (3) VOLTAGE	110	100 ^P	VOLTS
INPUT GRID (4) VOLTAGE	0	0	VOLTS
GRID CIRCUIT RESISTANCE ^{MAX.}	1	1	MEG OHM
OUTPUT PLATE CURRENT	45	46	MA.
INPUT PLATE CURRENT	7	5.8	MA.
TRANSCONDUCTANCE	2200	2300	μMHOS
AMPLIFICATION FACTOR	25	35	
LOAD RESISTANCE	2000	4000	OHMS
SIGNAL VOLTAGE (RMS) ^S	21	21	VOLTS
TOTAL HARMONIC DISTORTION	9	9	PER CENT
POWER OUTPUT	2.0	3.8	WATTS

(2) BASE PIN #2

(3) BASE PIN #3

(4) BASE PIN #4

^S FOR RATED POWER OUTPUT

^P BOTH PLATES MAY BE OPERATED AT 180 VOLTS IF THE GRID IS BIASED TO -20 VOLTS. FIXED OR SELF BIAS MAY BE USED. FOR SELF BIAS THE CATHODE RESISTOR SHOULD BE 400 OHMS.

