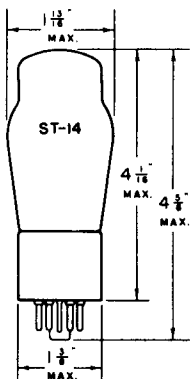


## TUNG-SOL



## DYNAMIC COUPLED POWER AMPLIFIER

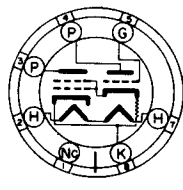
UNIPOTENTIAL CATHODES

HEATER

6.3 VOLTS 0.8 AMPERE  
AC OR DC

GLASS BULB

MEDIUM 7 PIN OCTAL BASE



G-7Wb

THE TUNG-SOL 6N6G CONSISTS OF TWO DYNAMICALLY COUPLED TRIODES AND IS DESIGNED FOR SERVICE IN THE POWER OUTPUT STAGE OF AC AND STORAGE BATTERY OPERATED RECEIVERS. ALL NECESSARY BIASES ARE SUPPLIED INTERNALLY. ITS RATINGS AND CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 685.

## OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

OUTPUT PLATE (3) VOLTAGE	250	300	325 <sup>MAX.</sup>	VOLTS
INPUT PLATE (4) VOLTAGE	250	300	325 <sup>MAX.</sup>	VOLTS
INPUT GRID (5) VOLTAGE	0	0	0	VOLTS
GRID CIRCUIT RESISTANCE <sup>MAX.</sup>	0.5	0.5	0.5	MEGOHM
OUTPUT PLATE CURRENT	33	45	51	MA.
INPUT PLATE CURRENT	6.5	8	9	MA.
PLATE RESISTANCE		24 100		OHMS
TRANSCONDUCTANCE		2400		μMHOS
AMPLIFICATION FACTOR		58		
LOAD RESISTANCE	7000	7000	7000	OHMS
SIGNAL VOLTS (RMS) <sup>S</sup>	13.5	15	17	VOLTS
TOTAL HARMONIC DISTORTION	5	5	5	PER CENT
POWER OUTPUT	2.5	4	5.2	WATTS

(3) BASE PIN #3

(4) BASE PIN #4

(5) BASE PIN #5

<sup>S</sup> FOR RATED POWER OUTPUT

NOTE: THE VOLTAGE BETWEEN HEATER AND CATHODE SHOULD NOT EXCEED 50 VOLTS AND IN NO CASE SHOULD THE HEATER BE LEFT FLOATING.

## TUNG-SOL

CLASS A<sub>1</sub> PUSH-PULL AMPLIFIER

UNLESS SPECIFIED, VALUES ARE FOR TWO TUBES

OUTPUT PLATE (3) VOLTAGE	250	300	325 <sup>MAX.</sup>	VOLTS
INPUT PLATE (4) VOLTAGE	250	300	325 <sup>MAX.</sup>	VOLTS
INPUT GRID (5) VOLTAGE	0	0	0	VOLTS
GRID CIRCUIT RESISTANCE <sup>MAX.</sup>	0.5	0.5	0.5	MEGOHM
OUTPUT PLATE CURRENT PER TUBE	33	45	51	MA.
INPUT PLATE CURRENT <sup>1</sup> PER TUBE	6.5	8	9	MA.
LOAD RESISTANCE <sup>2</sup> PLATE TO PLATE	10 000	10 000	10 000	OHMS
SIGNAL VOLTS (RMS) <sup>3</sup> GRID TO GRID	38	38	42	VOLTS
TOTAL HARMONIC DISTORTION	5	5	5	WATTS
POWER OUTPUT	8.5	10	13.5	WATTS

(3) BASE PIN #3

(4) BASE PIN #4

(5) BASE PIN #5

<sup>3</sup>FOR RATED POWER OUTPUT