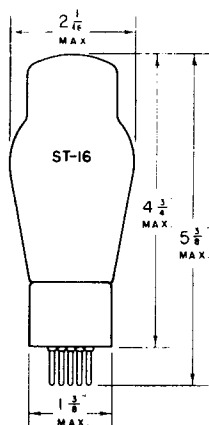


## TUNG-SOL



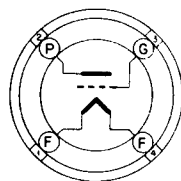
## TRIODE POWER AMPLIFIER

COATED FILAMENT

6.3 VOLTS 1.0 AMPERE  
AC OR DC

GLASS BULB

MEDIUM 4 PIN BASE



4D

BOTTOM VIEW

THE TUNG-SOL 6A3 IS A FILAMENT TYPE TRIODE POWER AMPLIFIER DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AUDIO AMPLIFIERS WHERE HIGH OUTPUT AND LOW HARMONIC DISTORTION ARE DESIRED. ITS RATINGS AND CHARACTERISTICS ARE SIMILAR TO THOSE OF THE 2A3 AND 6B4G.

## OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER—ONE TUBE

PLATE VOLTAGE <sup>MAX.</sup>	250	VOLTS
GRID VOLTAGE <sup>G</sup>	-45	VOLTS
GRID CIRCUIT RESISTANCE <sup>MAX.</sup>		
FIXED BIAS	0.05	MEGOHM
SELF BIAS	0.5	MEGOHM
PLATE CURRENT	60	MA.
PLATE RESISTANCE	800	OHMS
TRANSCONDUCTANCE	5250	μMHOS
AMPLIFICATION FACTOR	4.2	
LOAD RESISTANCE	2500	OHMS
POWER OUTPUT	3.2	WATTS
SECOND HARMONIC DISTORTION	5	PER CENT

CLASS AB<sub>1</sub> PUSH—PULL AMPLIFIER

## VALUES FOR TWO TUBES

	FIXED BIAS	SELF BIAS	
PLATE VOLTAGE <sup>MAX.</sup>	325	325	VOLTS
GRID VOLTAGE <sup>G</sup>	-68	—	VOLTS
SELF BIAS RESISTOR	—	850	OHMS
ZERO-SIGNAL PLATE CURRENT PER TUBE	40	40	MA.
LOAD RESISTANCE PER TUBE	750	1250	OHMS
EFFECTIVE LOAD RESISTANCE <sup>PLATE TO PLATE</sup>	3000	5000	OHMS
TOTAL HARMONIC DISTORTION	2.5	5	PER CENT
POWER OUTPUT	15	10	WATTS

<sup>G</sup> GRID VOLTAGE MEASURED FROM MID-POINT OF AC OPERATED FILAMENT.