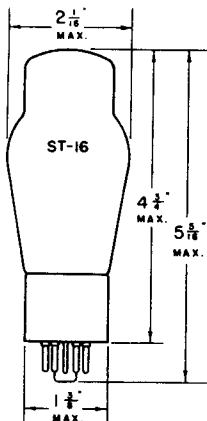


## TUNG-SOL



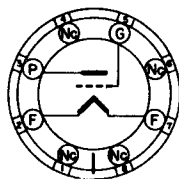
## TRIODE POWER AMPLIFIER

COATED FILAMENT

6.3 VOLTS 1.0 AMPERE  
AC OR DC

GLASS BULB

MEDIUM 8 PIN OCTAL BASE



G-5S

THE TUNG-SOL 6B4G IS A FILAMENT TYPE TRIODE POWER AMPLIFIER DESIGN-  
ED 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 6A3.

## 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 ARE 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	-	750	OHMS
ZERO-SIGNAL PLATE CURRENT <sup>PER TUBE</sup>	40	40	MA.
LOAD RESISTANCE <sup>PER TUBE</sup>	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.

CONTINUED NEXT PAGE

6B4 G

**TUNG-SOL**

DIRECT INTERELECTRODE CAPACITANCES

GRID TO FILAMENT	7	$\mu\mu\text{f}$
PLATE TO FILAMENT	5	$\mu\mu\text{f}$
GRID TO PLATE	16	$\mu\mu\text{f}$

PLATE  
175-1