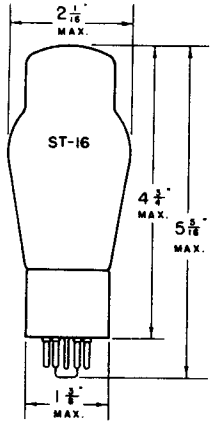
TUNG-SOL



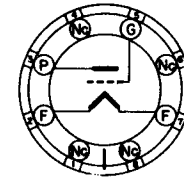
TRIODE POWER AMPLIFIER

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 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 6A3.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER – ONE TUBE

PLATE VOLTAGE MAX.	250	VOLTS
GRID VOLTAGE G	–45	VOLTS
GRID CIRCUIT RESISTANCE MAX.		
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 AB1 PUSH – PULL AMPLIFIER

VALUES ARE FOR TWO TUBES

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

PLATE 174-1

G GRID VOLTAGE MEASURED FROM MID-POINT OF AC OPERATED FILAMENT.

CONTINUED NEXT PAGE

DIRECT INTERELECTRODE CAPACITANCES

GRID TO FILAMENT	7	μμf
PLATE TO FILAMENT	5	μμf
GRID TO PLATE	16	μμf

PLATE
175-1