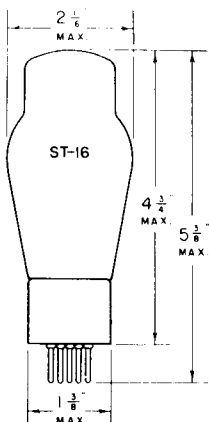


TUNG-SOL



TRIPLE GRID POWER AMPLIFIER

UNIPOTENTIAL CATHODE

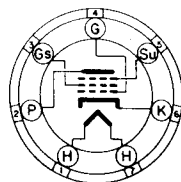
HEATER

2.5 VOLTS 2.0 AMPERES

AC OR DC

GLASS BULB

MEDIUM 7 PIN BASE



7A

BOTTOM VIEW

THE TUNG-SOL 59 IS A TRIPLE GRID OUTPUT POWER TUBE WHICH MAY BE USED AS A CLASS A TRIODE, CLASS B TRIODE OR CLASS A PENTODE.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

	TRIODE ^A	PENTODE ^B	
PLATE VOLTAGE ^{MAX.}	250	250	VOLTS
SCREEN (G _s) VOLTAGE	—	250 ^{MAX.}	VOLTS
CONTROL GRID (G) VOLTAGE	—28	—18	VOLTS
PLATE CURRENT	26	35	MA.
SCREEN CURRENT	—	9	MA.
PLATE RESISTANCE	2300	40 000	OHMS
TRANSCONDUCTANCE	2600	2500	μMHOS
AMPLIFICATION FACTOR	6	100	
LOAD RESISTANCE	5000 ^C	6000	OHMS
POWER OUTPUT	1.25	3.0	WATTS

^A GRIDS G_s AND S_u TIED TO PLATE^B GRID S_u TIED TO CATHODE^C APPROXIMATELY TWICE THIS VALUE IS RECOMMENDED FOR THE LOAD OF THIS TUBE WHEN USED AS A DRIVER FOR A CLASS B₂ STAGE.CLASS B₂ AMPLIFIER — TWO TUBESGRID S_u TIED TO PLATE, GRIDS G AND G_s TIED TOGETHER

PLATE VOLTAGE	300	400 ^{MAX.}	VOLTS
GRID (G & G _s) VOLTAGE	0	0	VOLTS
ZERO-SIGNAL PLATE CURRENT	20	26	MA.
LOAD RESISTANCE ^{PLATE TO PLATE}	4600	6000	OHMS
POWER OUTPUT	15	20	WATTS

NOTE: MAXIMUM PLATE DISSIPATION IS 10 WATTS. MAXIMUM PEAK PLATE CURRENT IS 200 MA.