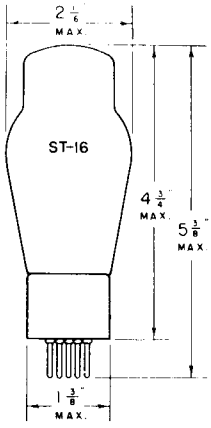


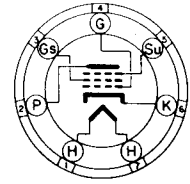
TRIPLE GRID POWER AMPLIFIER

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 (Gs) 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 Gs AND Su TIED TO PLATE
[B] GRID Su TIED TO CATHODE
[C] APPROXIMATELY TWICE THIS VALUE IS RECOMMENDED FOR THE LOAD OF THIS TUBE WHEN USED AS A DRIVER FOR A CLASS B_2 STAGE.

CLASS B2 AMPLIFIER – TWO TUBES

GRID Su TIED TO PLATE, GRIDS G AND Gs TIED TOGETHER

PLATE VOLTAGE	300	400 MAX.	VOLTS
GRID (G & Gs) 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.

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PLATE
529-1

AUG. 14
1939

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