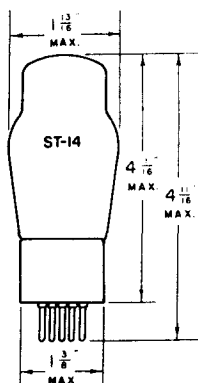


TUNG-SOL



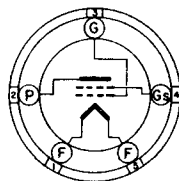
DUAL GRID POWER AMPLIFIER

COATED FILAMENT

2.0 VOLTS 0.12 AMPERE
DC

GLASS BULB

MEDIUM 5 PIN BASE



5C

BOTTOM VIEW

THE TUNG-SOL 49 IS A DUAL GRID POWER TUBE DESIGNED FOR USE IN A CLASS A OR CLASS B OUTPUT STAGE.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIERGRID G₅ CONNECTED TO PLATE AT SOCKET

PLATE VOLTAGE	135 MAX.	VOLTS
GRID VOLTAGE ^A	-20	VOLTS
PLATE CURRENT	6.0	MA.
PLATE RESISTANCE	4175	OHMS
TRANSCONDUCTANCE	1125	μMHOS
AMPLIFICATION FACTOR	4.7	
LOAD RESISTANCE	11 000 ^B	OHMS
POWER OUTPUT	0.170	WATT

^A RETURN TO NEGATIVE FILAMENT (PIN #5)^B APPROXIMATELY TWICE THIS VALUE IS RECOMMENDED FOR LOAD AS DRIVER FOR CLASS B STAGECLASS B₂ AMPLIFIER - TWO TUBES - PUSH-PULL

GRIDS CONNECTED TOGETHER AT SOCKET

PLATE VOLTAGE	135	180 MAX.	VOLTS
GRID VOLTAGE ^E	0	0	VOLTS
PEAK AF SIGNAL VOLTAGE ^{PER TUBE C}	35	35	VOLTS
ZERO-SIGNAL PLATE CURRENT ^{PER TUBE D}	1.3	2	MA.
EFFECTIVE LOAD RESISTANCE ^{PLATE TO PLATE}	8000	12 000	OHMS
POWER OUTPUT APPROX.	2.3	3.5	WATTS

^C FOR POWER OUTPUT SHOWN^D MAXIMUM PEAK PLATE CURRENT IS 50 MA.^E RETURN TO NEGATIVE FILAMENT (PIN #5)

FOR "INTERPRETATION OF RATINGS" REFER TO THE FRONT OF BOOK.