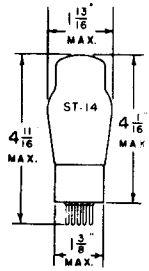
TUNG-SOL



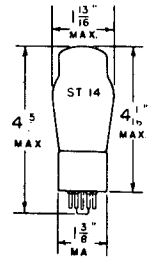
MEDIUM 5 PIN BASE
1F4

PENTODE POWER AMPLIFIER

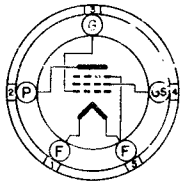
CCATED FILAMENT

2.0 VOLTS 0.12 AMPERE
DC

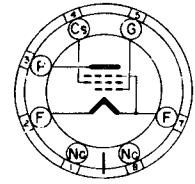
GLASS BULB



MEDIUM 7 PIN OCTAL BASE
1F5G



5K
BOTTOM VIEW
1F4



G 6X
BOTTOM VIEW
1F5G

THE TUNG-SOL 1F4 AND 1F5G ARE PENTODE POWER AMPLIFIERS OF THE FILAMENT TYPE. THEY ARE DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF BATTERY OPERATED RECEIVERS. THEIR RATINGS AND ELECTRICAL CHARACTERISTICS ARE IDENTICAL.

RATINGS

MAXIMUM PLATE VOLTAGE	180	VOLTS
MAXIMUM SCREEN VOLTAGE	180	VOLTS
MAXIMUM PLATE DISSIPATION	1.75	WATTS
MAXIMUM SCREEN DISSIPATION	0.75	WATT

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

CONTINUED NEXT PAGE

P. N. DI. U.S.A.

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TUNG-SOL

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE	90	135	VOLTS
SCREEN VOLTAGE	90	135	VOLTS
CONTROL GRID VOLTAGE[A]	-3	-4.5	VOLTS
PEAK AF SIGNAL VOLTAGE	3	4.5	VOLTS
PLATE CURRENT	4.0	8.0	MA.
SCREEN CURRENT	1.1	2.4	MA.
PLATE RESISTANCE APPROX.	0.24	0.20	MEGOHM
TRANSCONDUCTANCE	1400	1700	μMHOS
LOAD RESISTANCE	20000	16000	OHMS
TOTAL HARMONIC DISTORTION	6	5	PER CENT
POWER OUTPUT	0.110	0.310	WATT

CLASS AB1 PUSH-PULL AMPLIFIER

VALUES ARE FOR TWO TUBES

PLATE VOLTAGE	180	VOLTS
SCREEN VOLTAGE	180	VOLTS
CONTROL GRID VOLTAGE[A]	-7.5	VOLTS
PEAK AF SIGNAL VOLTAGE GRID TO GRID	15	VOLTS
ZERO-SIGNAL PLATE CURRENT	19	MA.
ZERO-SIGNAL SCREEN CURRENT	5.5	MA.
MAXIMUM-SIGNAL PLATE CURRENT	21	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	7	MA.
LOAD RESISTANCE PLATE-TO-PLATE	20000	OHMS
TOTAL HARMONIC DISTORTION	4.5	PER CENT
POWER OUTPUT	1.25	WATTS

[A] RETURN TO NEGATIVE FILAMENT (1F4: PIN #5 - 1F5G: PIN #7)

PLATE
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