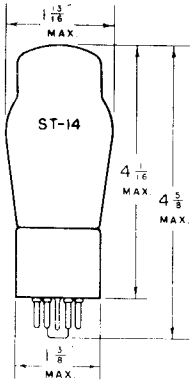
TUNG-SOL



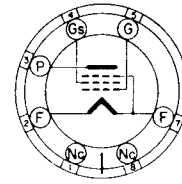
PENTODE POWER AMPLIFIER

COATED FILAMENT

2.0 VOLTS 0.12 AMPERE
DC

GLASS BULB

MEDIUM 7 PIN OCTAL BASE



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THE TUNG-SOL 1G5G IS A FILAMENT TYPE PENTODE POWER AMPLIFIER DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF BATTERY OPERATED RECEIVERS.

RATINGS

MAXIMUM PLATE VOLTAGE	135	VOLTS
MAXIMUM SCREEN VOLTAGE	135	VOLTS
MAXIMUM PLATE DISSIPATION	1.25	WATTS
MAXIMUM SCREEN DISSIPATION	0.6	WATT

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE	90	124	135	VOLTS
SCREEN VOLTAGE	90	124	135	VOLTS
CONTROL GRID VOLTAGE[A]	-6	-11	-13.5	VOLTS
PEAK AF SIGNAL VOLTAGE	6	9.9	9.2	VOLTS
ZERO-SIGNAL PLATE CURRENT	8.5	10.0	8.7	MA.
ZERO-SIGNAL SCREEN CURRENT	2.5	3.0	2.5	MA.
MAXIMUM-SIGNAL PLATE CURRENT	8.7	10.7	9.7	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	3.0	4.3	3.6	MA.
PLATE RESISTANCE APPROX.	133 000	145 000	160 000	OHMS
TRANSCONDUCTANCE	1500	1500	1550	μMHOS
LOAD RESISTANCE	8500	8000	9000	OHMS
TOTAL HARMONIC DISTORTION	6	10.5	11	PER CENT
SECOND HARMONIC DISTORTION	3	7	*8	PER CENT
THIRD HARMONIC DISTORTION	5	7.5	7	PER CENT
POWER OUTPUT	.250	.600[B]	.550[C]	WATT

[A] REFERRED TO NEGATIVE FILAMENT TERMINAL.

[B] WITH A PEAK AF GRID VOLTAGE OF 11 VOLTS, A POWER OUTPUT OF .650 WATT CAN BE OBTAINED WITH 13% TOTAL DISTORTION (6% SECOND, 11% THIRD).

[C] WITH A PEAK AF GRID VOLTAGE OF 13.5 VOLTS, A POWER OUTPUT OF .750 WATT CAN BE OBTAINED WITH 18% TOTAL DISTORTION (9 % SECOND, 15% THIRD).

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PLATE 1170-3

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1G5G

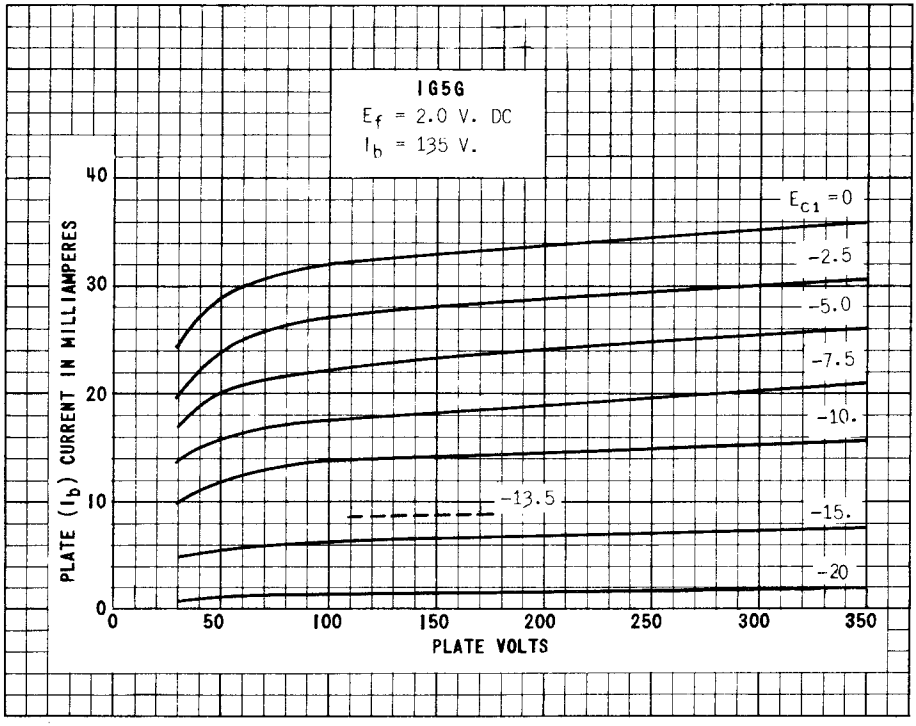

PLATE
1171-1