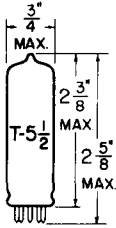


TUNG-SOL

PENTODE

MINIATURE TYPE



GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.8 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

7CV

THE 6AS5 IS A HEATER-CATHODE, BEAM PENTODE POWER AMPLIFIER IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE AS AN OUTPUT TUBE IN AUTO-MOBILE AND AC OPERATED RECEIVERS. EXCEPT FOR HEATER CHARACTERISTICS, THE 6AS5 IS IDENTICAL TO THE 12AS5.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

WITHOUT EXTERNAL SHIELD

GRID #1 TO PLATE: (G1 TO P)

INPUT: G1 TO (H+K+G2+G3)

OUTPUT: P TO (H+K+G2+G3)

0.6 μ f

12 μ f

9.0 $\leftarrow$ μ f

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER MAXIMUM SYSTEM

HEATER VOLTAGE

6.3 VOLTS

MAXIMUM PLATE VOLTAGE

150 VOLTS

MAXIMUM GRID #2 SUPPLY VOLTAGE

150 VOLTS

MAXIMUM GRID #2 VOLTAGE

SEE GRID #2 RATING CURVE

MAXIMUM PLATE DISSIPATION

5.5 WATTS

MAXIMUM GRID #2 DISSIPATION

1.0 WATT

MAXIMUM GRID #1 CIRCUIT RESISTANCE:

FIXED BIAS

0.1 MEGOHM

SELF BIAS

0.5 MEGOHM

MAXIMUM HEATER-CATHODE VOLTAGE:

HEATER NEGATIVE WITH RESPECT TO CATHODE

TOTAL DC AND PEAK

100 $\leftarrow$ VOLTS

HEATER POSITIVE WITH RESPECT TO CATHODE

TOTAL DC AND PEAK

100 $\leftarrow$ VOLTS

CONTINUED ON FOLLOWING PAGE

$\rightarrow$ INDICATES A CHANGE.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

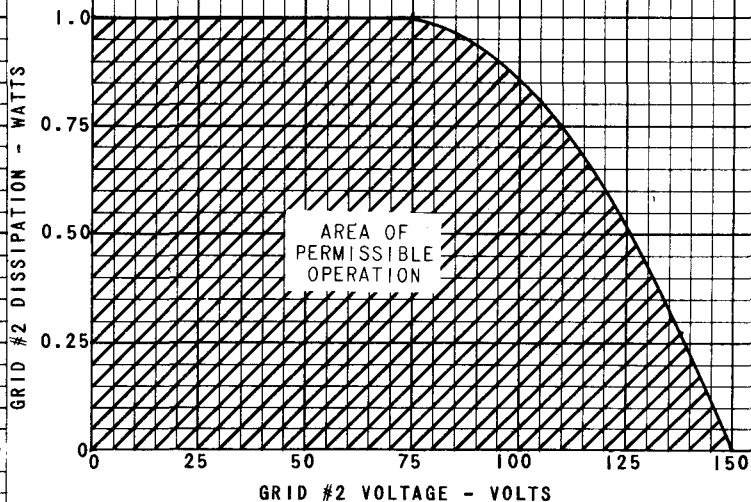
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

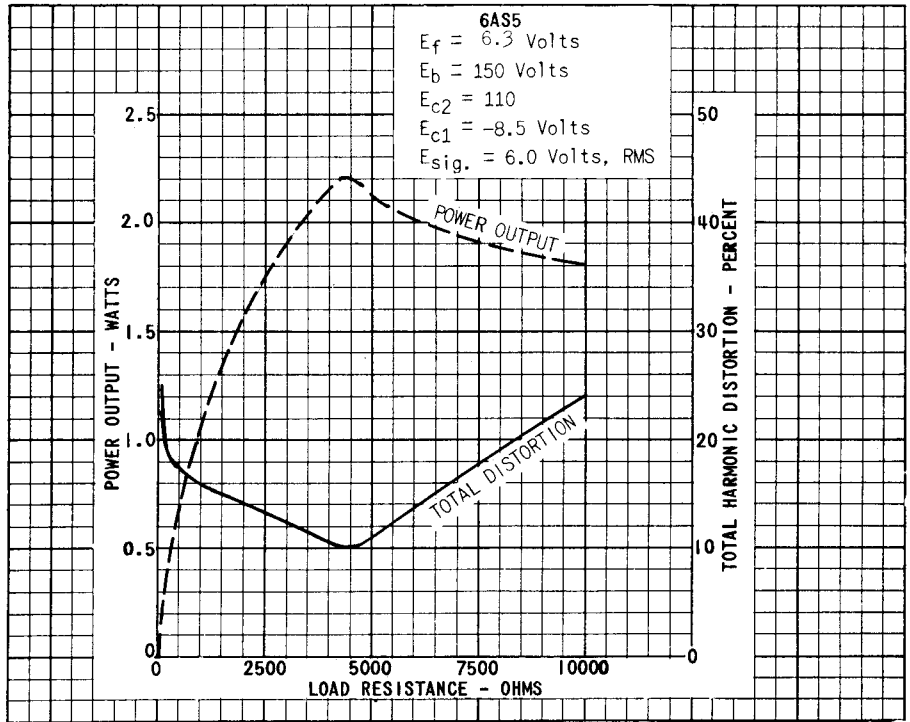
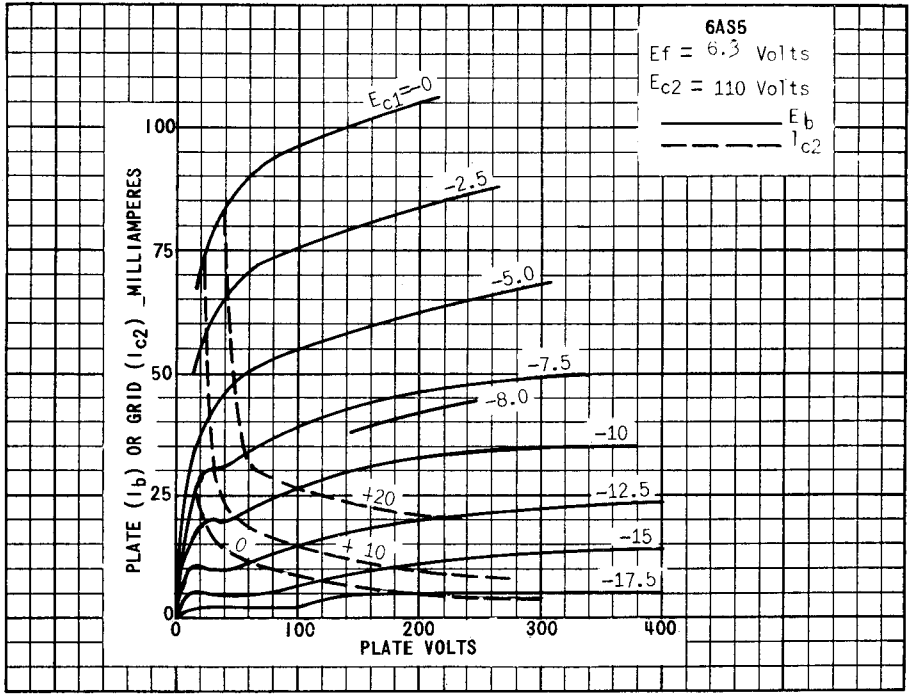
CLASS A_1 AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.8	VOLTS
PLATE VOLTAGE	150	VOLTS
GRID #2 VOLTAGE	110	VOLTS
GRID #1 VOLTAGE ^A	-8.5	VOLTS
PEAK AF GRID #1 VOLTAGE	8.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	35	MA.
MAX. SIGNAL PLATE CURRENT	36	MA.
ZERO-SIGNAL GRID #2 CURRENT (APPROX.)	2	MA.
MAX.-SIGNAL GRID #2 CURRENT (APPROX.)	6.5	MA.
TRANSCONDUCTANCE	5600	μ MHOS
LOAD RESISTANCE	4500	OHMS
TOTAL HARMONIC DISTORTION	10	PERCENT
MAX.-SIGNAL POWER OUTPUT	2.2	WATTS

^AUNDER MAX. RATED CONDITIONS THE DC RESISTANCE OF THE GRID #1 CIRCUIT SHOULD NOT EXCEED 0.1 MEG. FOR FIXED BIAS OPERATION OR 0.5 MEG. FOR CATHODE BIAS OPERATION.

6AS5
Grid #2 Rating Curve





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