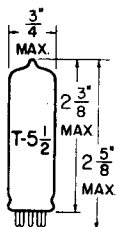


TUNG-SOL

BEAM PENTODE
MINIATURE TYPE

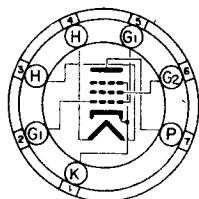
GLASS BULB

UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.8 AMPERE
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

THE 6AS5 IS A BEAM POWER AMPLIFIER USING THE MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE IN MOBILE OR AC OPERATED RECEIVERS WHERE RELATIVELY HIGH POWER OUTPUT AND HIGH POWER SENSITIVITY ARE DESIRED AT LOW POWER SUPPLY VOLTAGES.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.
WITH NO EXTERNAL SHIELD

GRID TO PLATE: (G_1 TO P)	0.6	$\mu\mu\text{f}$
INPUT: G_1 TO (H+K& G_3 + G_2)	12	$\mu\mu\text{f}$
OUTPUT: P TO (H+K& G_3 + G_2)	6.2	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	150	VOLTS
MAXIMUM GRID #2 VOLTAGE	117	VOLTS
MAXIMUM PLATE DISSIPATION	5.5	WATTS
MAXIMUM GRID #2 DISSIPATION	1	WATT
MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS)	0.1	MEGOHM
MAXIMUM GRID #1 CIRCUIT RESISTANCE (SELF BIAS)	0.5	MEGOHM
MAXIMUM BULB TEMPERATURE (AT HOTTEST POINT ON BULB SURFACE)	250	$^{\circ}\text{C}$

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.8	AMP.
PLATE VOLTAGE	150	VOLTS
GRID #2 VOLTAGE	110	VOLTS
GRID #1 VOLTAGE	-8.5	VOLTS
PEAK AF GRID #1 VOLTAGE	8.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	35	MA.
ZERO-SIGNAL GRID #2 CURRENT (NOMINAL)	2	MA.
MAXIMUM SIGNAL PLATE CURRENT	36	MA.
MAXIMUM SIGNAL GRID #2 CURRENT (NOMINAL)	6.5	MA.
TRANSCONDUCTANCE	5 600	μMHOS
LOAD RESISTANCE	4 500	OHMS
TOTAL HARMONIC DISTORTION	10	PERCENT
MAXIMUM SIGNAL POWER OUTPUT	2.2	WATTS

6AS5

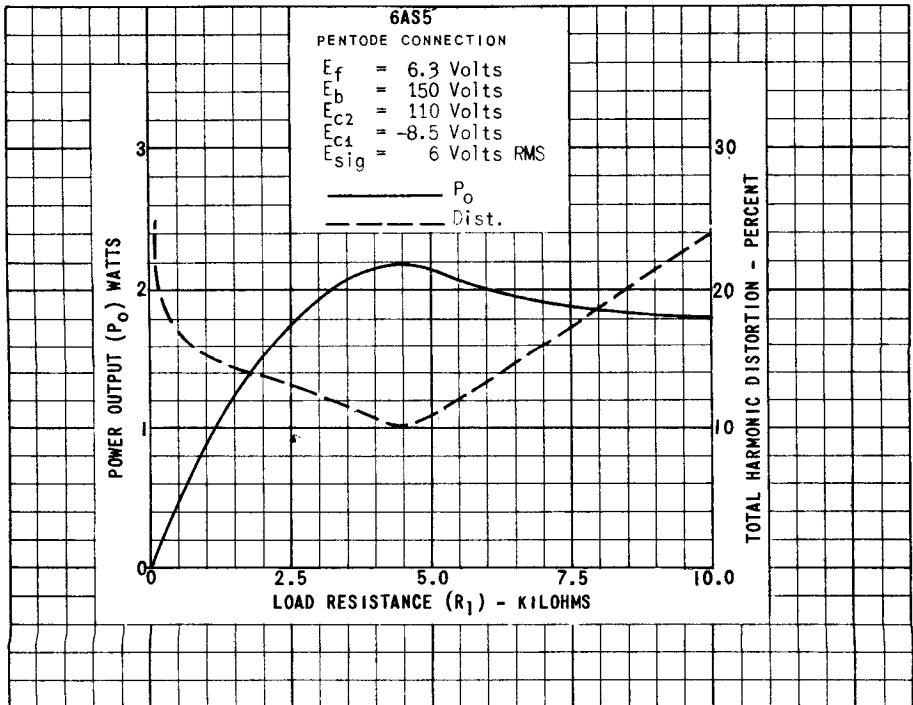
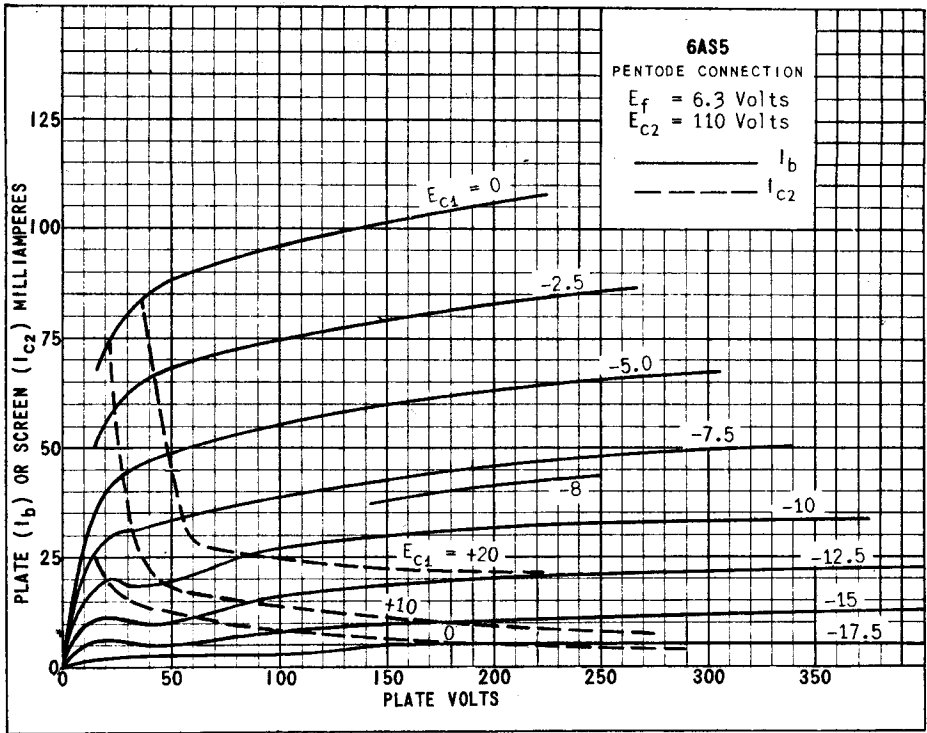


PLATE
 1997
 APRIL 1
 1948