TUNG-SOL

PENTODE

MINIATURE TYPE

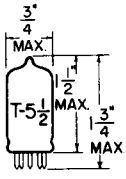
COATED UNIPOTENTIAL CATHODE

HEATER

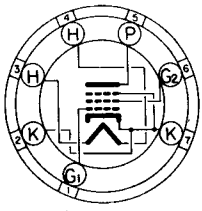
6.3 VOLTS 175 MA.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

THE 6AJ5 IS A SHARP CUT-OFF PENTODE VOLTAGE AMPLIFIER IN THE MINIATURE CONSTRUCTION. IT IS CHARACTERIZED BY LOW HEATER POWER REQUIREMENTS, HIGH TRANSCONDUCTANCE, LOW CAPACITANCES, AND HIGH INPUT IMPEDANCE. ITS LOW TRIODE-MU ADAPTS IT TO SERVICE WHERE THE PLATE AND SCREEN SUPPLY POTENTIALS ARE LOW OR TO APPLICATIONS AS A SMALL POWER AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID TO PLATE: (G TO P) WITH SHIELD	0.01	μμf
INPUT: G_1 TO (H+K&G_3+G_2)	4.1	μμf
OUTPUT: P TO (H+K&G_3+G_2)	2.0	μμf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	180	VOLTS
MAXIMUM GRID #2 VOLTAGE	140	VOLTS
MAXIMUM PLATE DISSIPATION	1.7	WATTS
MAXIMUM GRID #2 DISSIPATION	0.5	WATT
MAXIMUM CATHODE CURRENT	18	MA.
MAXIMUM BULB TEMPERATURE	120	°C

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	175	MA.
PLATE VOLTAGE	28	VOLTS
GRID #2 VOLTAGE	28	VOLTS
CATHODE BIAS RESISTOR	200	OHMS
PLATE RESISTANCE	90 000	OHMS
TRANSCONDUCTANCE	2 750	μMHOS
AMPLIFICATION FACTOR	250	
PLATE CURRENT	3	MA.
GRID #2 CURRENT	1.2	MA.

CONTINUED ON FOLLOWING PAGE

PLATE 2033
JULY 1, 1948

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS AB_1 AMPLIFIER - TWO TUBES

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	175	MA.
PLATE VOLTAGE	180	VOLTS
GRID #2 VOLTAGE	75	VOLTS
GRID #1 VOLTAGE	-7.5	VOLTS
LOAD IMPEDANCE (PLATE TO PLATE)	28 000	OHMS
DRIVE	TO ZERO BIAS	
OUTPUT POWER	1	WATT
SECOND HARMONIC	2	PERCENT
THIRD HARMONIC	5	PERCENT
PLATE INPUT POWER (PER PLATE)	1.1	WATTS
GRID #2 DISSIPATION (PER SCREEN)	0.35	WATT

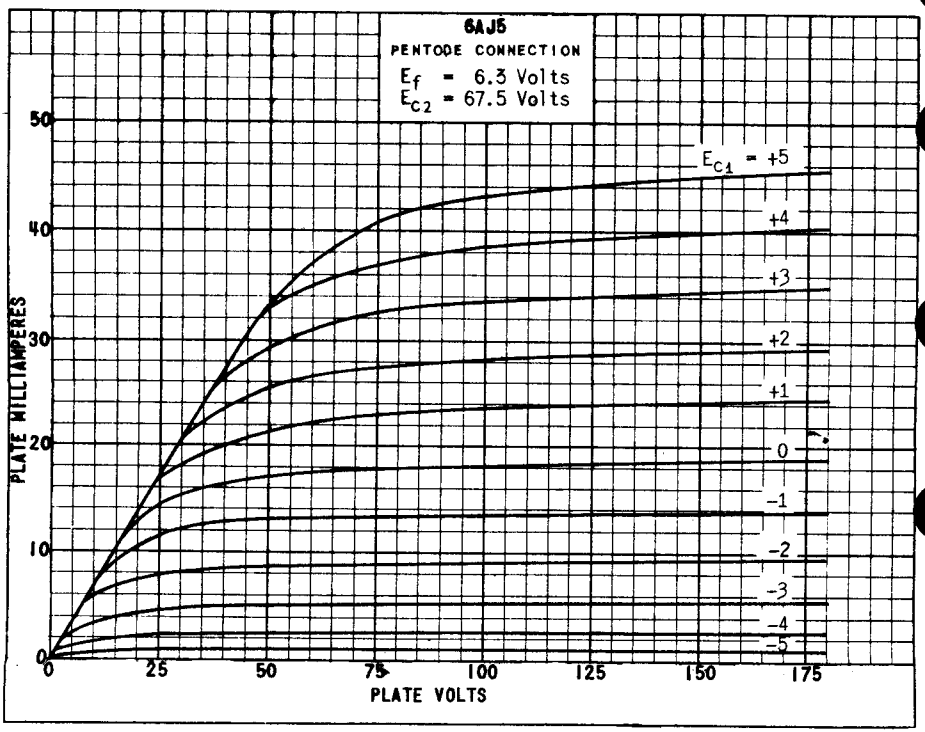
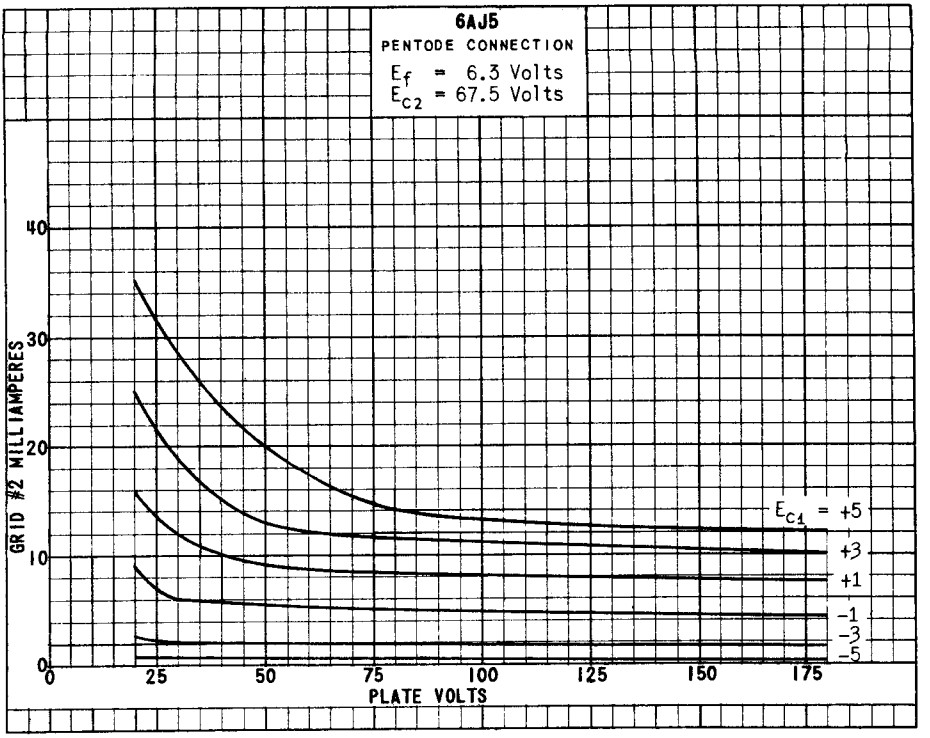


PLATE 2034
JULY 1, 1948



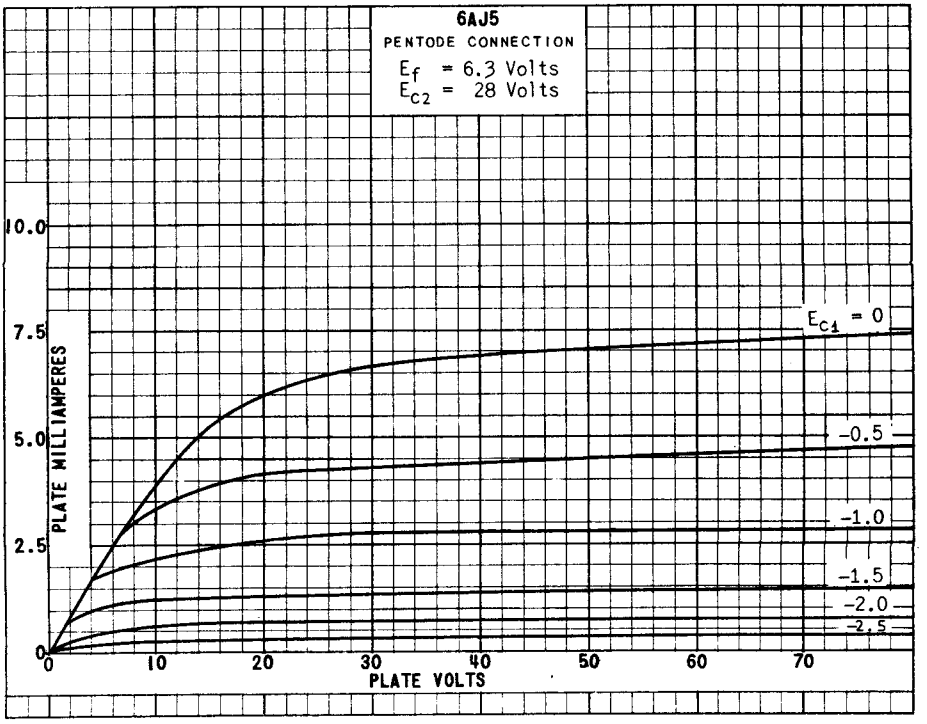


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PLATE
2035
JULY 1,
1948