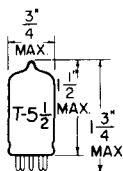


TUNG-SOL

PENTODE (DUAL CONTROL)

MINIATURE TYPE



GLASS BULB

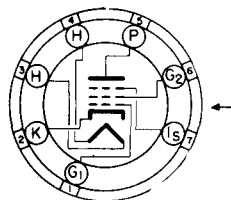
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 175 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

7CM

THE 6AS6 IS A SHARP CUT-OFF VOLTAGE AMPLIFIER PENTODE USING THE MINIATURE CONSTRUCTION. IT IS CHARACTERIZED BY AN EFFICIENT HEATER, LOW CAPACITANCES AND HIGH TRANSDUCANCE. THE SUPPRESSOR GRID IS TERMINATED IN A SEPARATE BASE CONNECTION AND IS INTENDED TO BE USED AS AN ADDITIONAL CONTROL GRID IN GATING, SWITCHING, OR MIXER SERVICE.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD ^A	WITHOUT SHIELD	
GRID TO PLATE (1): G_1 TO P (MAX.)	0.02	0.025	μf
GRID TO PLATE (2): G_3 TO P	0.7	0.7	μf
INPUT (1): G_1 TO (H+K+G ₂ +G ₃ +P+IS)	4	3.9	μf
INPUT (2): G_3 TO (H+K+G ₁ +G ₂ +P+IS)	3.4	3.3	μf
OUTPUT: P TO (H+K+G ₁ +G ₂ +G ₃ +IS)	3	2.2	μf
COUPLING: G_1 TO G_3 (MAX.)	0.15	0.15	μf

^AEXTERNAL SHIELD CONNECTED TO CATHODE.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	180	VOLTS
MAXIMUM GRID #2 VOLTAGE	140	VOLTS
MAXIMUM POSITIVE GRID #3 VOLTAGE	27	VOLTS
MAXIMUM PLATE DISSIPATION	1.7	WATTS
MAXIMUM GRID #2 DISSIPATION	0.75	WATT

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→ INDICATES A CHANGE.

TUNG-SOL

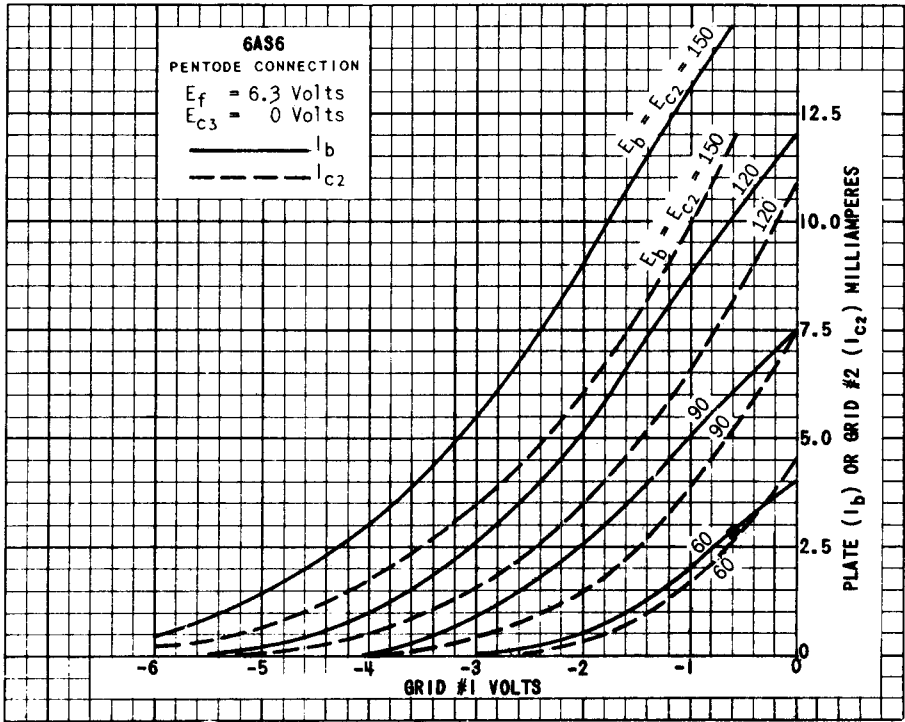
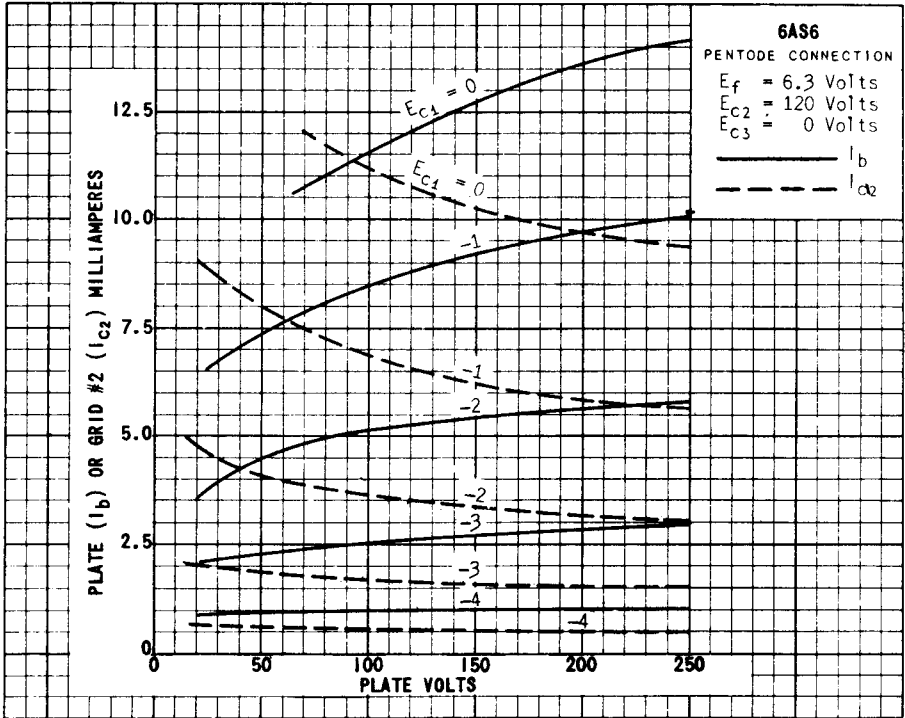
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	175	175	MA.
PLATE VOLTAGE	120	120	VOLTS
GRID #3 VOLTAGE	-3	0 ^B	VOLTS
GRID #2 VOLTAGE	120	120	VOLTS
GRID #1 VOLTAGE	-2	-2	VOLTS
PLATE RESISTANCE (APPROX.)	---	0.11	MEGOHM
GRID #1 TRANSCONDUCTANCE	1 850	3 200	μMHOS
GRID #3 TRANSCONDUCTANCE	810	470	μMHOS
PLATE CURRENT	3.6	5.2	MA.
GRID #2 CURRENT	4.8	3.5	MA.
GRID #1 VOLTAGE FOR $I_b = 10 \mu A$. (APPROX.)	---	-7.5	VOLTS
GRID #3 VOLTAGE FOR $I_b = 10 \mu A$. (APPROX.)	-10	---	VOLTS

^B GRID #3 CONNECTED TO CATHODE.



6AS6

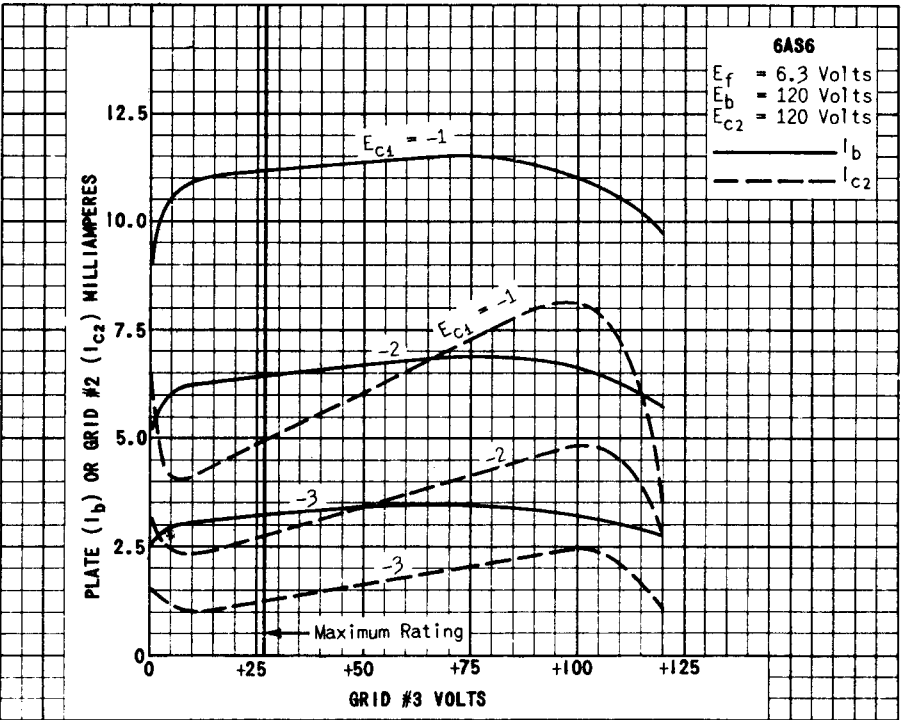
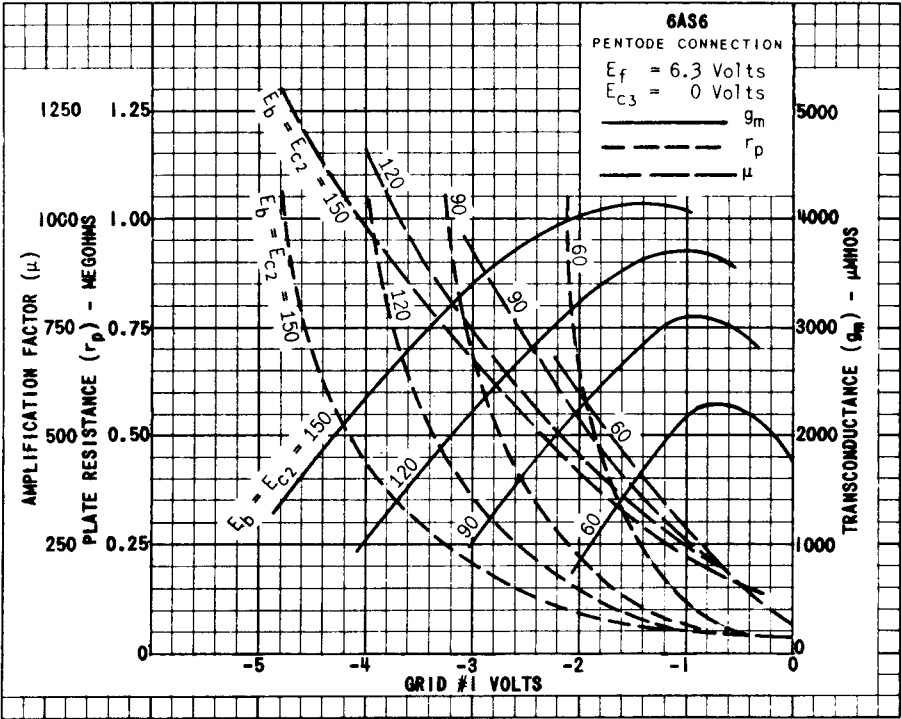


PLATE
2958
JUNE 1
1952

