



35L6-GT

BEAM POWER AMPLIFIER

35L6-GT

GENERAL DATA

Electrical:

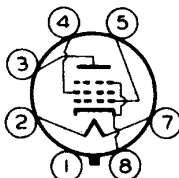
Heater, for Unipotential Cathode:
 Voltage 35 ac or dc volts
 Current 0.15 amp
 Direct Interelectrode Capacitances (Approx.):^o
 Grid No.1 to Plate 0.8 μf
 Input 13 μf
 Output 9.5 μf

^o With no external shield.

Mechanical:

Mounting Position Any
 Maximum Overall Length 3-5/16"
 Maximum Seated Length 2-3/4"
 Maximum Diameter 1-5/16"
 Bulb T-9
 Base Intermediate-Shell Octal 7-Pin
 Basing Designation for BOTTOM VIEW G-7AC

Pin 1 - No
 Connection
 Pin 2 - Heater
 Pin 3 - Plate
 Pin 4 - Grid No.2



Pin 5 - Grid No.1
 Pin 7 - Heater
 Pin 8 - Cathode,
 Grid No.3

AF POWER AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 200 max. volts
 GRID-No.2 (SCREEN) VOLTAGE 117 max. volts
 PLATE DISSIPATION 8.5 max. watts
 GRID-No.2 DISSIPATION 1.0 max. watt
 PEAK HEATER-CATHODE VOLTAGE:
 Heater negative with respect to cathode 90 max. volts
 Heater positive with respect to cathode 90 max. volts

Typical Operation and Characteristics:

Plate Voltage 110 200 . . . volts
 Grid-No.2 Voltage 110 110 . . . volts
 Grid-No.1 (Control-Grid) Voltage -7.5 -8 . . . volts
 Peak AF Grid-No.1 Voltage 7.5 8 . . . volts
 Zero-Signal Plate Current 40 41 . . . ma.
 Max.-Signal Plate Current 41 44 . . . ma.
 Zero-Signal Grid-No.2 Current 3 2 . . . ma.
 Max.-Signal Grid-No.2 Current 7 7 . . . ma.
 Plate Resistance (Approx.) 14000 40000 . . . ohms
 Transconductance 5800 5900 . . . μmhos
 Load Resistance 2500 4500 . . . ohms
 Total Harmonic Distortion 10 10 . . . %
 Max.-Sig. Power Output 1.5 3.3 . . . watts

JUNE 20, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

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Maximum Circuit Values (for maximum rated conditions):

Grid-No.1-Circuit Resistance:

| | |
|----------------------------|----------------|
| For fixed bias | 0.1 . . megohm |
| For cathode bias | 0.5 . . megohm |

Curves shown under Type 35B5 are also applicable
to the 35L6-GT.

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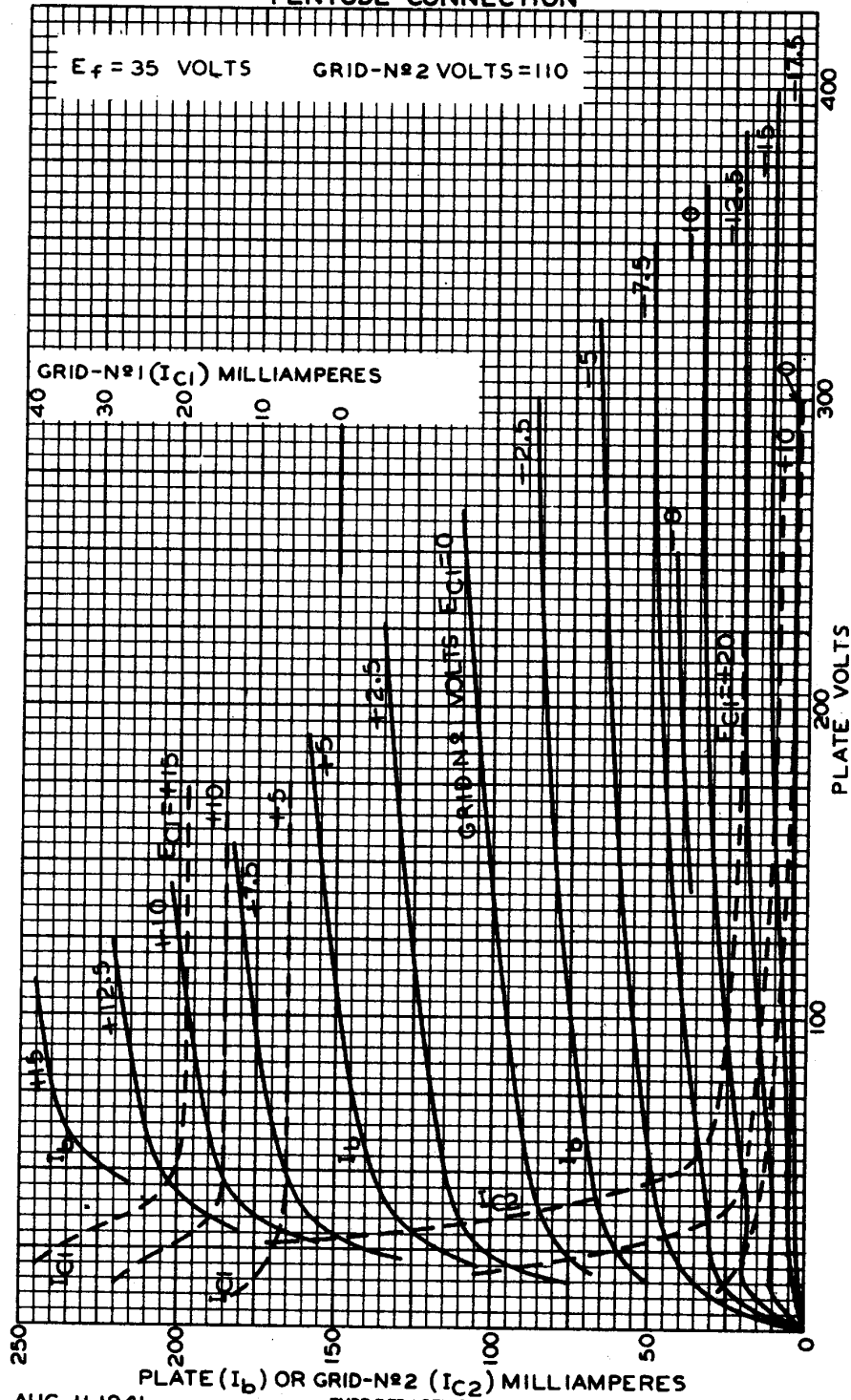
DATA



35L6-GT

35L6-G

AVERAGE PLATE CHARACTERISTICS
PENTODE CONNECTION



AUG. 11, 1941

TUBE DEPARTMENT

92CM-6309

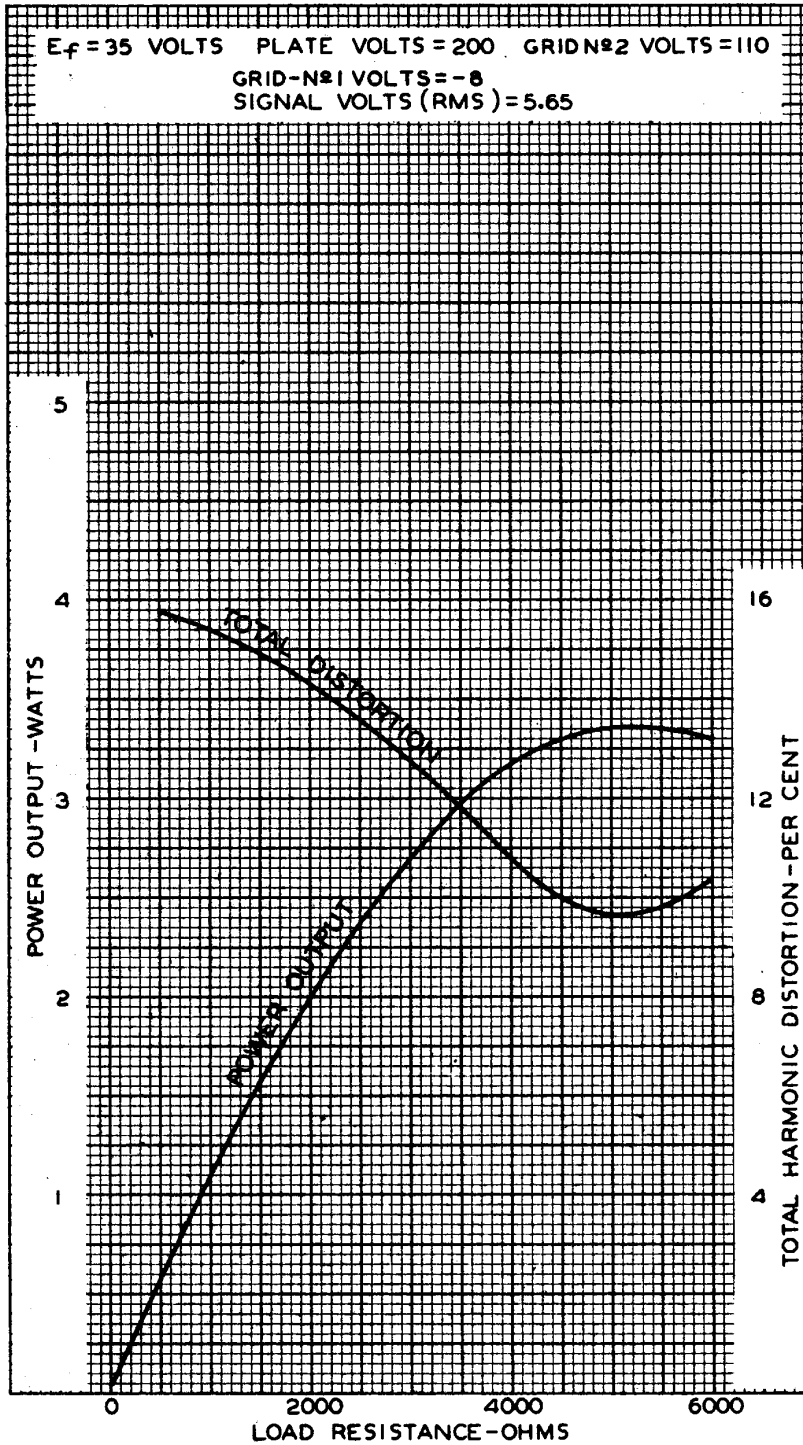
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35L6-GT



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OPERATION CHARACTERISTICS



AUG. 21, 1941

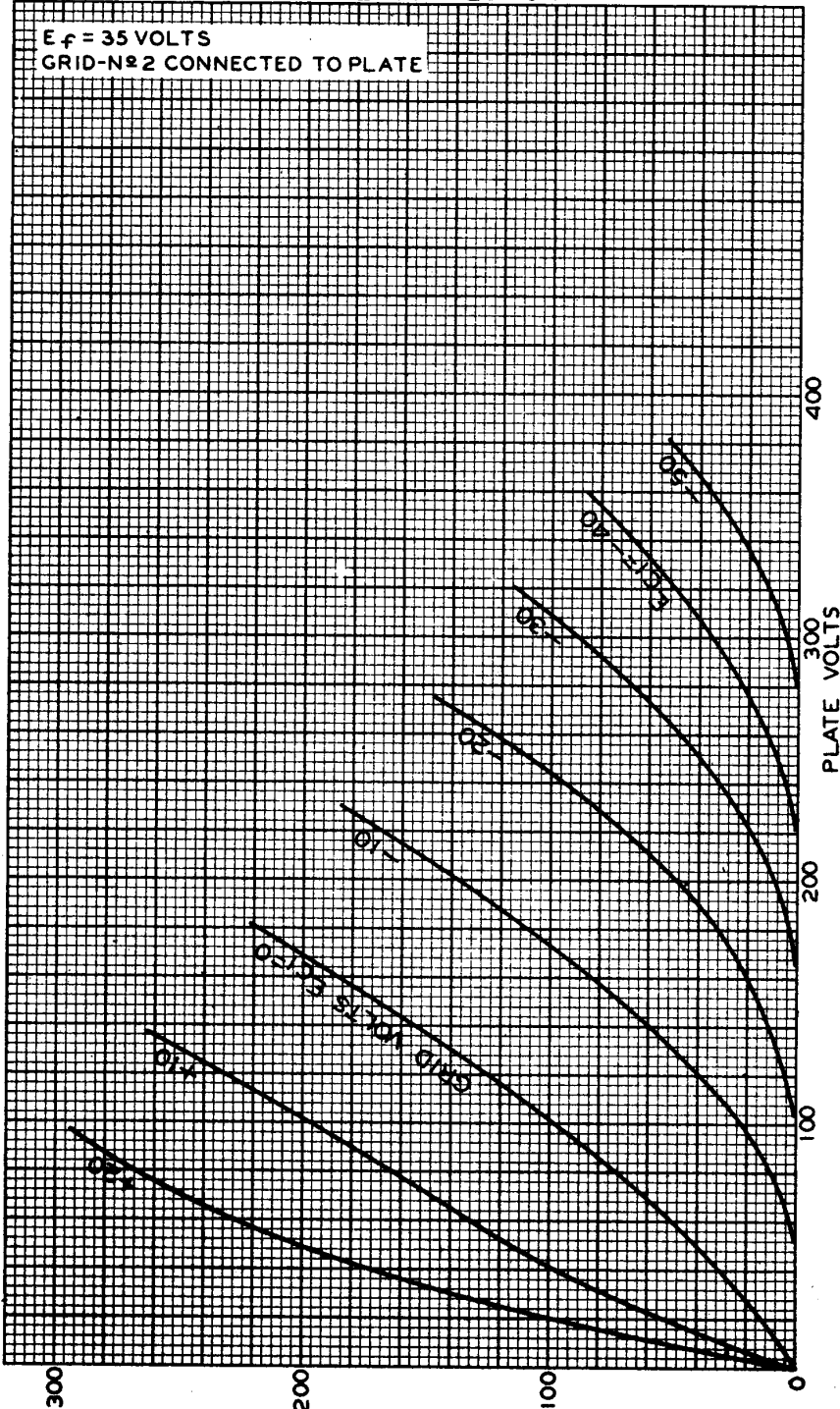
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92CM-6315



35L6-GT

35L6-GT AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION



AUG. 6, 1941

PLATE MILLIAMPERES
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