



26A6

26A6

R-F AMPLIFIER PENTODE

MINIATURE REMOTE-CUTOFF TYPE

For use with 12-cell storage-battery supply

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage	26.5	ac or dc volts
Current	0.07	amp

Direct Interelectrode Capacitances:⁰

Grid No.1 to Plate . .	0.0035 max.	μ f
Input	6.0	μ f
Output	5.0	μ f

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-1/8"

Maximum Seated Length. 1-7/8"

Length from Base Seat to

Bulb Top (excluding tip) 1-1/2" $\pm$ 3/32"

Maximum Diameter 3/4"

Bulb T-5-1/2

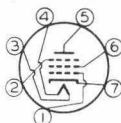
Base Miniature Button 7-Pin

Basing Designation for BOTTOM VIEW 7BK1

Pin 1-Grid No.1

Pin 2-Grid No.3,
Internal Shield

Pin 3-Heater



Pin 4-Heater

Pin 5-Plate

Pin 6-Grid No.2

Pin 7-Cathode

CLASS A₁ AMPLIFIER

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE.	250 max.	volts
------------------------	----------	-------

GRID-No.2 (SCREEN) VOLTAGE	100 max.	volts
--------------------------------------	----------	-------

GRID-No.2 SUPPLY VOLTAGE	250 max.	volts
------------------------------------	----------	-------

PLATE DISSIPATION.	3 max.	watts
----------------------------	--------	-------

GRID-No.2 DISSIPATION.	0.4 max.	watt
--------------------------------	----------	------

GRID-No.1 (CONTROL GRID) VOLTAGE:

Negative bias value.	50 max.	volts
------------------------------	---------	-------

Positive bias value.	0 max.	volts
------------------------------	--------	-------

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.	26.5	250	volts
------------------------	------	-----	-------

Grid No.3 (Suppressor) . . .	Connected to cathode at socket		
------------------------------	--------------------------------	--	--

Grid-No.2 Voltage.	26.5	100	volts
----------------------------	------	-----	-------

Grid-No.1 Voltage:

From a grid-No.1 resistor of .	2	-	megohms
--------------------------------	---	---	---------

From a cathode resistor of . .	-	125	ohms
--------------------------------	---	-----	------

⁰ With external shield connected to cathode.

JUNE 20, 1946

TUBE DIVISION

TENTATIVE DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

26A6



26A6

R-F AMPLIFIER PENTODE

Plate Resistance (Approx.)	0.25	1.0	megohm
Transconductance	2000	4000	μ mhos
Grid-No.1 Bias (Approx.) for transconductance of 40 μ mhos	-	-25	volts
Grid-No.1 Bias (Approx.) for transconductance of 20 μ mhos	-8	-	volts
Plate Current	1.7	10.5	ma.
Grid-No.2 Current	0.7	4.0	ma.

JUNE 20, 1946

TUBE DIVISION

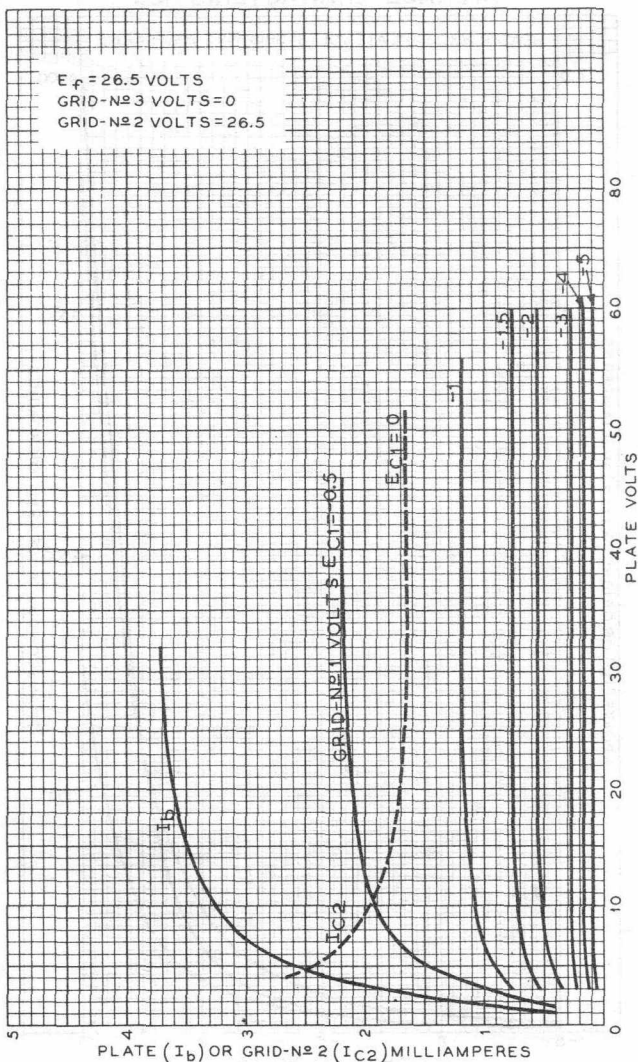
TENTATIVE DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



26A6

AVERAGE PLATE CHARACTERISTICS



JULY 24, 1946

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

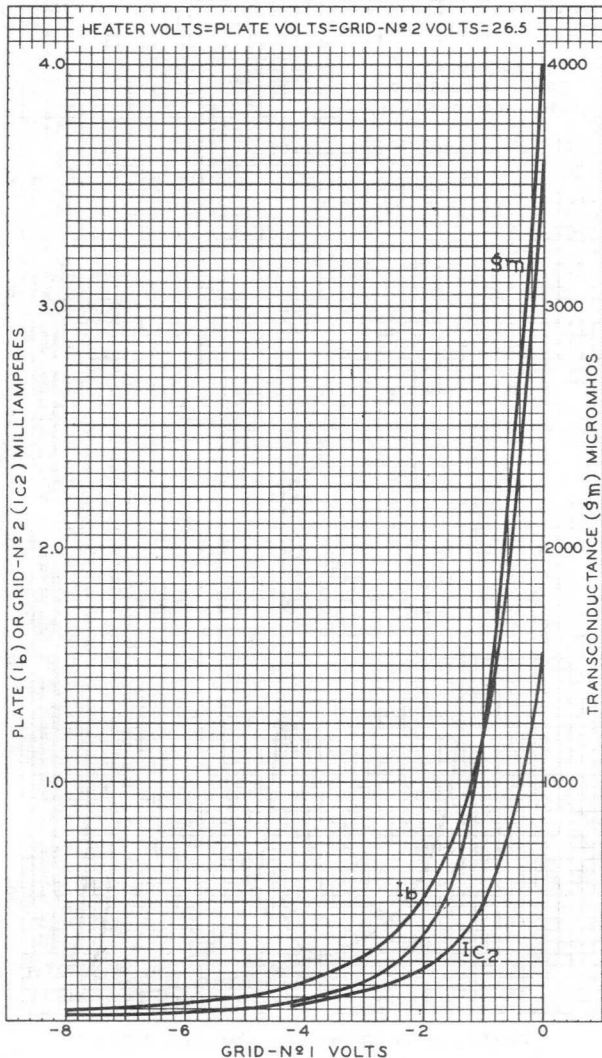
92CM-6786

26A6



26A6

AVERAGE CHARACTERISTICS



JUNE 25, 1946

TUBE DIVISION

92CM-6778

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



26A6

26A6

AVERAGE PLATE CHARACTERISTICS

