



2E26

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V-H-F BEAM POWER AMPLIFIER

GENERAL DATA

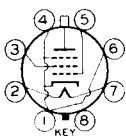
Electrical:

Heater, for Unipotential Cathode:		
Voltage	6.3	ac or dc volts
Current	0.8	amp.
Transconductance		
for plate current of 20 ma.	3500	μmhos
Grid-Screen Mu-Factor . . .	6.5	
Direct Interelectrode Capacitances: ^o		
Grid to plate	0.20 max.	μf
Input	13	μf
Output	7	μf

^o with no external shielding, and with base sleeve connected to ground.

Mechanical:

Mounting Position		Any
Overall Length	3-1/2" ± 5/32"	
Seated Length	2-15/16" ± 5/32"	
Maximum Diameter	1-5/16"	
Bulb		T-9
Cap.		Small
Base	Small-Wafer Octal 8-Pin with Sleeve No. R-6159	
Basing Designation for BOTTOM VIEW		7CK

Pin 1 - Cathode, Grid No. 3, Int. Shield		Pin 5 - Grid No. 1
Pin 2 - Heater		Pin 6 - Cathode, Grid No. 3, Int. Shield
Pin 3 - Grid No. 2		Pin 7 - Heater
Pin 4 - Cathode, Grid No. 3, Int. Shield		Pin 8 - Base Sleeve
		Cap - Plate

AF POWER AMPLIFIER & MODULATOR - Class A₁

Maximum Ratings, Absolute Values:

	CCS [▲]	
DC PLATE VOLTAGE	300 max.	volts
DC GRID-No. 2 (SCREEN) VOLTAGE	200 max.	volts
PLATE DISSIPATION	10 max.	watts
GRID-No. 2 INPUT	2.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	100 max.	volts
Heater positive with respect to cathode	100 max.	volts

Typical Operation:

DC Plate Voltage	250	volts
DC Grid-No. 2 Voltage	160	volts
DC Grid-No. 1 (Control-Grid) Voltage	-14	volts ←
Peak AF Grid-No. 1 Voltage	14	volts ←
Zero-Signal DC Plate Current	35	ma.

[▲] See next page.

← indicates a change.

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V-H-F BEAM POWER AMPLIFIER

Max.—Signal DC Plate Current	42	ma.
Zero—Signal DC Grid—No.2 Current	7	ma.
Max.—Signal DC Grid—No.2 Current	10	ma.
Load Resistance	5500	ohms
Total Harmonic Distortion	10	%
Power Output	5.3	watts

Maximum Circuit Values:

Grid—No.1—Circuit Resistance	30000 max.	ohms
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PUSH—PULL AF POWER AMPLIFIER & MODULATOR — Class AB₂*

Maximum Ratings, Absolute Values:

	CCS [▲]	ICAS ^{▲▲}	
DC PLATE VOLTAGE	400 max.	500 max.	volts
DC GRID—No.2 (SCREEN) VOLTAGE	200 max.	200 max.	volts
→ MAX.—SIG. DC PLATE CURRENT**	75 max.	75 max.	ma.
→ MAX.—SIG. PLATE INPUT**	30 max.	37.5 max.	watts
→ MAX.—SIG. GRID—No.2 INPUT**	2.5 max.	2.5 max.	watts
→ PLATE DISSIPATION**	10 max.	12.5 max.	watts
PEAK HEATER—CATHODE VOLTAGE:			
Heater negative with respect to cathode	100 max.	100 max.	volts
Heater positive with respect to cathode	100 max.	100 max.	volts

Typical Operation:

Values are for 2 tubes

DC Plate Voltage	400	500	volts
DC Grid—No.2 Voltage †	125	125	volts
DC Grid—No.1 Voltage (Fixed Bias)	-15	-15	volts
Peak AF Grid—No.1—to—Grid—No.1 Voltage	60	60	volts
Zero—Signal DC Plate Current	20	22	ma.
Max.—Signal DC Plate Current	150	150	ma.
Max.—Signal DC Grid—No.2 Current	32	32	ma.
Effective Load Resistance, (Plate—to—Plate)	6200	8000	ohms
Max.—Signal Driving Power, (Approx.) ♦	0.36	0.36	watt
Max.—Signal Power Output (Approx.)	42	54	watts

* Subscript 2 indicates that grid current flows during some part of input cycle.

** Averaged over any audio-frequency cycle of sine-wave form.

† Preferably obtained from a separate source, or from the plate-voltage supply with a voltage divider.

‡ In applications requiring the use of screen voltages above 135 volts, provision should be made for the adjustment of grid—No.1 bias for each tube separately. The necessity for this adjustment at the lower screen voltages depends on the distortion requirements and on whether the plate dissipation rating is exceeded at zero-signal plate current.

▲, ▲▲, ♦: See next page.

→ Indicates a change.



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V-H-F BEAM POWER AMPLIFIER

PLATE-MODULATED RF POWER AMPLIFIER - Class C Telephony

Carrier conditions per tube for use with a maximum modulation factor of 1.0

Maximum Ratings, Absolute Values:

	CCS▲	ICAS▲▲	
DC PLATE VOLTAGE	400 max.	500 max.	volts
DC GRID-No.2 (SCREEN) VOLTAGE	200 max.	200 max.	volts
DC GRID-No.1 (CONTROL-GRID) VOLTAGE	-175 max.	-175 max.	volts
DC PLATE CURRENT	60 max.	60 max.	ma.
DC GRID-No.1 CURRENT	3.5 max.	3.5 max.	ma.
PLATE INPUT	20 max.	27 max.	watts
GRID-No.2 INPUT	1.7 max.	2.3 max.	watts
PLATE DISSIPATION	6.7 max.	9 max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode	100 max.	100 max.	volts
Heater positive with respect to cathode	100 max.	100 max.	volts

Typical Operation:

DC Plate Voltage	400 . . .	500 . . .	volts
DC Grid-No.2 Voltage #	{ 160 . . .	180 . . .	volts
	{ 32000 . . .	35500 . . .	ohms
DC Grid-No.1 Voltage [Ⓢ]	{ -50 . . .	-50 . . .	volts
	{ 20000 . . .	20000 . . .	ohms
Peak RF Grid-No.1 Voltage	60 . . .	60 . . .	volts
DC Plate Current	50 . . .	54 . . .	ma.
DC Grid-No.2 Current	7.5 . . .	9 . . .	ma.
DC Grid-No.1 Current (Approx.)	2.5 . . .	2.5 . . .	ma.
Driving Power (Approx.)	0.15 . . .	0.15 . . .	watt
Power Output (Approx.)	13.5 . . .	18 . . .	watts

Maximum Circuit Values:

Grid-No.1-Circuit Resistance ^{ⓈⓈ}	30000 max.	30000 max.	ohms
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RF POWER AMPLIFIER & OSCILLATOR - Class C Telegraphy

Key-down conditions per tube without modulation**

Maximum Ratings, Absolute Values:

	CCS▲	ICAS▲▲	
DC PLATE VOLTAGE	500 max.	600 max.	volts
DC GRID-No.2 (SCREEN) VOLTAGE	200 max.	200 max.	volts
DC GRID-No.1 (CONTROL-GRID) VOLTAGE	-175 max.	-175 max.	volts
DC PLATE CURRENT	75 max.	85 max.	ma.
DC GRID-No.1 CURRENT	3.5 max.	3.5 max.	ma.
PLATE INPUT	30 max.	40 max.	watts

* Obtained preferably from a separate source modulated with the plate supply, or from the modulated plate-supply through a series resistor of the value shown.

▲, ▲▲, ◆, #, Ⓢ, ⓈⓈ: See next page.

← Indicates a change.

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GRID-NO.2 INPUT	2.5 max.	2.5 max.	watts
PLATE DISSIPATION	10 max.	13.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode	100 max.	100 max.	volts
Heater positive with respect to cathode	100 max.	100 max.	volts

Typical CCS Operation:

	Up to		At	
	125 Mc			
DC Plate Voltage	400	500	300	volts
DC Grid-No.2 Voltage [ⓐ]	190	185	170	volts
DC Grid-No.1 Voltage [ⓑ]	19000	28500	21500	ohms
	-30	-40	-75	volts
Peak RF Grid-No.1 Voltage	10000	13500	30000	ohms
	41	50	85	volts
DC Plate Current	75	60	75	ma.
DC Grid-No.2 Current	11	11	6	ma.
DC Grid-No.1 Current (Approx.)	3	3	2.5	ma.
Driving Power (Approx.)	0.12	0.15	1.5	watts
Power Output (Approx.)	20	20	13	watts

Typical ICAS Operation:

	Up to		At	
	125 Mc			
DC Plate Voltage	600		350	volts
DC Grid-No.2 Voltage [ⓐ]	185		200	volts
	41500		21500	ohms
DC Grid-No.1 Voltage [ⓑ]	-45		-90	volts
	15000		30000	ohms
Peak RF Grid-No.1 Voltage	57		105	volts
DC Plate Current	66		85	ma.
DC Grid-No.2 Current	10		7	ma.
DC Grid-No.1 Current (Approx.)	3		3	ma.
→ Driving Power (Approx.)	0.17		2	watts
Power Output (Approx.)	27		16.5	watts

Maximum Circuit Values, for both CCS & ICAS Operation:

Grid-No.1-Circuit Resistance ^{ⓐⓑ}	30000 max.	ohms
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▲ Continuous Commercial Service.

▲▲ Intermittent Commercial and Amateur Service.

◆ Driver stage should be capable of supplying the No.1 grids of the class AB₂ stage with the specified driving power at low distortion. The effective resistance per No.1 grid circuit of the class AB₂ stage should be kept below 500 ohms and the effective impedance at the highest desired response frequency should not exceed 700 ohms.

Modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115% of the carrier conditions.

ⓐ obtained from grid resistor of value shown, or by partial self-bias methods.

ⓐ, ⓑ, ⓓ: See next page.

→ Indicates a change.



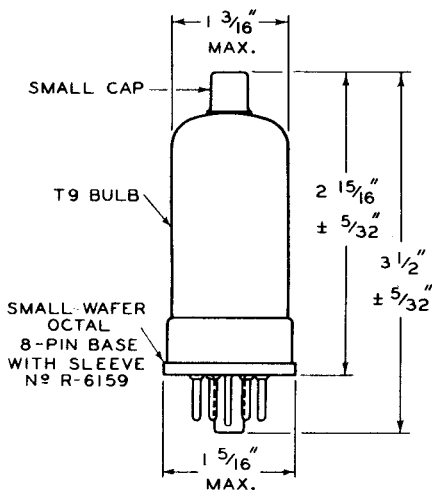
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V-H-F BEAM POWER AMPLIFIER

- ⊕ Any additional bias required must be supplied by a cathode resistor or a fixed supply.
- Obtained preferably from a separate source, or from the plate-voltage supply with a voltage divider, or through a series resistor of the value shown. The grid-No.2 voltage must not exceed 600 volts under key-up conditions.
- ⬤ Obtained from fixed supply or by grid-No.1 resistor of value shown.

Data on operating frequencies for the 2E26 are given on the sheet TRANS. TUBE RATINGS vs FREQUENCY.



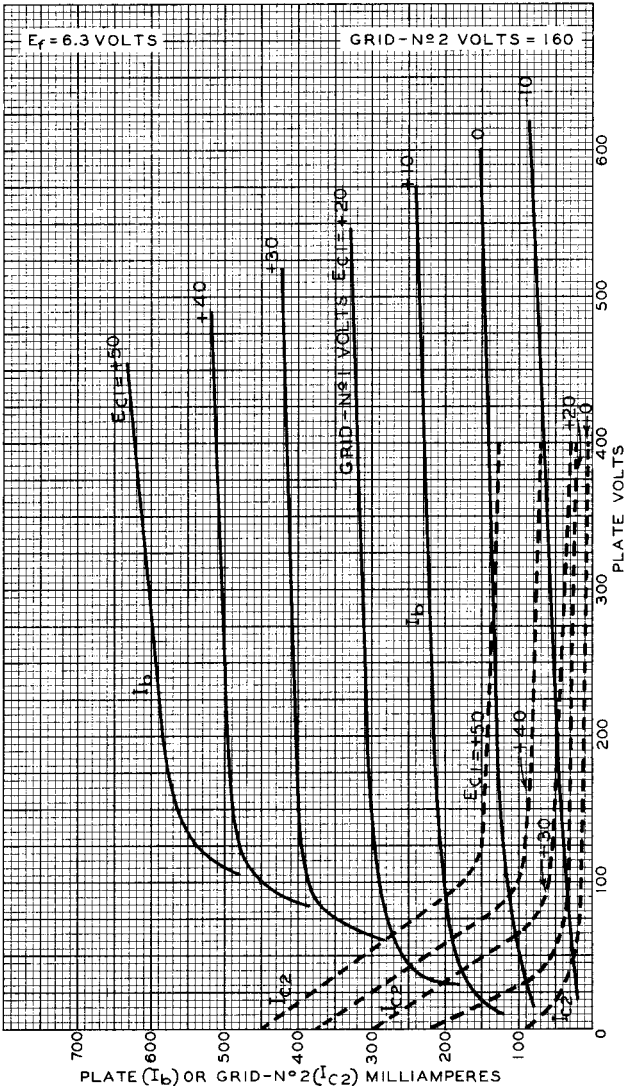
92CS-6607

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AVERAGE PLATE CHARACTERISTICS



NOV. 15, 1945

TUBE DEPARTMENT

92CM-6631

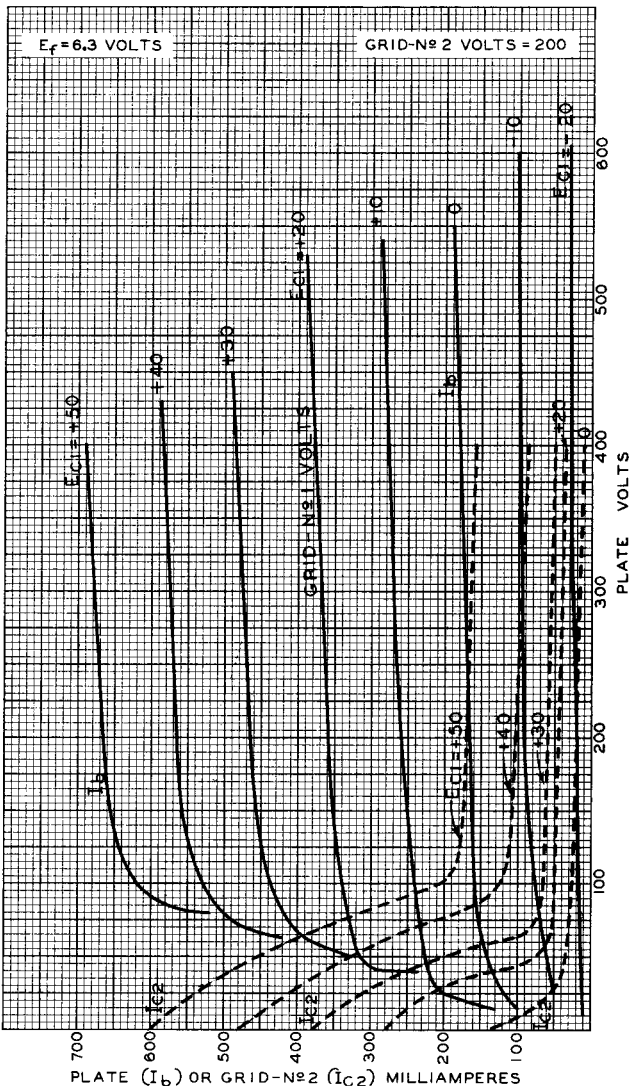
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



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AVERAGE PLATE CHARACTERISTICS



NOV. 15, 1945

RCA VICTOR DIVISION

92CM-6630

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

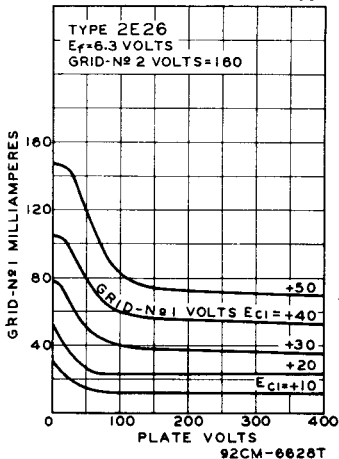
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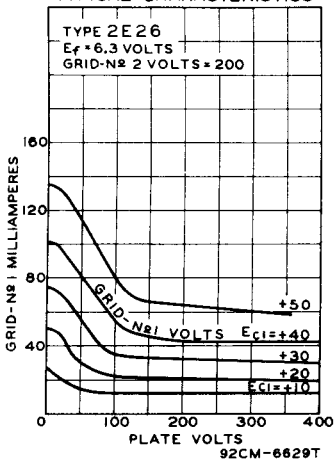
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V-H-F BEAM POWER AMPLIFIER

TYPICAL CHARACTERISTICS



TYPICAL CHARACTERISTICS



APRIL 1, 1946

 RCA VICTOR DIVISION
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6628T

92CM-6629T



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BEAM POWER TUBE

Useful with full input up to 125 Mc
and with reduced input up to 175 Mc

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3 ± 10%	volts
Current	0.8	amp

Transconductance, for plate

volts = 500, grid-No.2 volts = 200, and plate ma. = 20	3500	μhos
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Mu-Factor, Grid No.2 to Grid No.1,

for plate volts = 200, grid-No.2 volts = 200, and plate ma. = 20	6.5	
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Direct Interelectrode Capacitances:

Grid No.1 to plate	0.2 max.	μf
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Grid No.1 to cathode & grid No.3 & internal shield, grid No.2, base sleeve, and heater	13	μf
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Plate to cathode & grid No.3 & internal shield, grid No.2, base sleeve, and heater	7	μf
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Mechanical:

Operating Position	Any
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Maximum Overall Length	3-21/32"
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Seated Length	2-15/16" ± 5/32"
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Maximum Diameter	1-5/16"
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Bulb	T9
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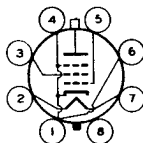
Cap	Small (JEDEC No. C1-1)
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Base	Small-Micanal-Wafer Octal 8-Pin with "640" Sleeve (JEDEC Group 1, No. B8-44)
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Basing Designation for BOTTOM VIEW	7CK
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Pin 1 - Cathode,
Grid No.3,
Internal
Shield

Pin 2 - Heater
Pin 3 - Grid No.2



Pin 4 - Same as Pin 1
Pin 5 - Grid No.1
Pin 6 - Same as Pin 1
Pin 7 - Heater
Pin 8 - Base Sleeve
Cap - Plate

Bulb Temperature (At hottest point)	210 max.	°C
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Weight (Approx.)	1.4	oz
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AF POWER AMPLIFIER & MODULATOR — Class AB₁†

Maximum Ratings, Absolute-Maximum Values:

	CCS [•]	ICAS ^{••}	
DC PLATE VOLTAGE	600 max.	750 max.	volts
DC GRID-No.2 (SCREEN-GRID) VOLTAGE	250 max.	250 max.	volts

← Indicates a change.

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BEAM POWER TUBE

	CCS [•]	ICAS ^{••}	
MAX.—SIGNAL DC PLATE CURRENT**	75 max.	75 max.	ma
MAX.—SIGNAL PLATE INPUT**	30 max.	37.5 max.	watts
MAX.—SIGNAL GRID—No.2 INPUT**	2.5 max.	2.5 max.	watts
PLATE DISSIPATION	10 max.	12.5 max.	watts
PEAK HEATER—CATHODE VOLTAGE:			
Heater negative with respect to cathode.	100 max.	100 max.	volts
Heater positive with respect to cathode.	100 max.	100 max.	volts

Typical Operation:

Values are for 2 tubes

	CCS [•]	ICAS ^{••}	
DC Plate Voltage.	500	700	volts
DC Grid—No.2 Voltage ^{••}	250	235	volts
DC Grid—No.1 (Control-Grid) Voltage:			
From fixed-bias source.	-40	-40	volts
Peak AF Grid—No.1—to-Grid—No.1 Voltage.			
	70	72	volts
Zero-Signal DC Plate Current.	13	12	ma
Max.—Signal DC Plate Current.	120	110	ma
Max.—Signal DC Grid—No.2 Current.			
	10	10	ma
Effective Load Resistance (Plate to plate).			
	8650	14100	ohms
Max.—Signal Driving Power (Approx.)			
	0	0	watts
Max.—Signal Power Output (Approx.)			
	40	50	watts

Maximum Circuit Values (CCS or ICAS Conditions):

Grid—No.1—Circuit Resistance: ^{••}			
With fixed bias		30000 max.	ohms
With cathode bias		Not recommended	

AF POWER AMPLIFIER & MODULATOR — Class AB₂[#]

Maximum Ratings, Absolute-Maximum Values:

	CCS [•]	ICAS ^{••}	
DC PLATE VOLTAGE.	600 max.	750 max.	volts
DC GRID—No.2 (SCREEN—GRID) VOLTAGE			
	250 max.	250 max.	volts
MAX.—SIGNAL DC PLATE CURRENT**	75 max.	75 max.	ma
MAX.—SIGNAL PLATE INPUT**	30 max.	37.5 max.	watts
MAX.—SIGNAL GRID—No.2 INPUT**	2.5 max.	2.5 max.	watts
PLATE DISSIPATION	10 max.	12.5 max.	watts

→ Indicates a change.



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BEAM POWER TUBE

	CCS [•]	ICAS ^{••}	
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode.	100 max.	100 max.	volts
Heater positive with respect to cathode.	100 max.	100 max.	volts

Typical Operation:*Values are for 2 tubes*

	CCS [•]	ICAS ^{••}	
DC Plate Voltage.	400	500	volts
DC Grid-No.2 Voltage ^{▲#}	125	125	volts
DC Grid-No.1 (Control-Grid) Voltage:			
From fixed-bias source.	-15	-15	volts
Peak AF Grid-No.1-to-Grid-No.1 Voltage.	60	60	volts
Zero-Signal DC Plate Current	20	22	ma
Max.-Signal DC Plate Current	150	150	ma
Max.-Signal DC Grid-No.2 Current.	32	32	ma
Effective Load Resistance (Plate to plate).	6200	8000	ohms
Max.-Signal Driving Power (Approx.) [*]	0.36	0.36	watt
Max.-Signal Power Output (Approx.).	42	54	watts

Maximum Circuit Values (CCS or ICAS Conditions):

Grid-No.1-Circuit Resistance:[*]			
With fixed bias		30000 max.	ohms
With cathode bias		Not recommended	

PLATE-MODULATED RF POWER AMPLIFIER — Class C Telephony*Carrier conditions per tube for use with a maximum modulation factor of 1***Maximum Ratings, Absolute-Maximum Values:**

	CCS [•]	ICAS ^{••}	IMS [°]	
DC PLATE VOLTAGE.	400 max.	500 max.	600 max.	volts
DC GRID-No.2 (SCREEN-GRID) VOLTAGE	200 max.	200 max.	200 max.	volts
DC GRID-No.1 (CONTROL-GRID) VOLTAGE	-175 max.	-175 max.	-175 max.	volts
DC PLATE CURRENT.	60 max.	70 max.	70 max.	ma

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BEAM POWER TUBE

	CCS ^o	ICAS ^{oo}	IMS ^o	
DC GRID-No.1 CURRENT.	3.5 max.	3.5 max.	3.5 max.	ma
PLATE INPUT	20 max.	27 max.	37 max.	watts
GRID-No.2 INPUT . . .	1.7 max.	2.3 max.	2.5 max.	watts
PLATE DISSIPATION . .	6.7 max.	9 max.	12 max.	watts
PEAK HEATER-				
CATHODE VOLTAGE:				
Heater negative				
with respect to				
cathode	100 max.	100 max.	100 max.	volts
Heater positive				
with respect to				
cathode	100 max.	100 max.	100 max.	volts
Typical Operation:				
DC Plate Voltage. . .	400	500	600	volts
DC Grid-No.2				
Voltage ^o	160	180	200	volts
<i>From a series</i>				
<i>resistor of . . .</i>	32000	35500	40000	ohms
DC Grid-No.1				
Voltage ^o	-50	-50	-50	volts
<i>From a grid</i>				
<i>resistor of . . .</i>	20000	20000	20000	ohms
Peak RF Grid-No.1				
Voltage	60	60	60	volts
DC Plate Current. . .	50	54	60	ma
DC Grid-No.2 Current.	7.5	9	10	ma
DC Grid-No.1 Current				
(Approx.)	2.5	2.5	2.5	ma
Driving Power				
(Approx.)	0.15	0.15	0.15	watt
Power Output				
(Approx.)	13.5	18	24	watts
Maximum Circuit Values (CCS, ICAS, or IMS Conditions):				
Grid-No.1-Circuit Resistance [†]			30000 max.	ohms
RF POWER AMPLIFIER & OSCILLATOR — Class C Telegraphy[□]				
and				
RF POWER AMPLIFIER — Class C FM Telephony				
Maximum Ratings, Absolute-Maximum Values:				
	CCS ^o	ICAS ^{oo}	IMS ^o	
DC PLATE VOLTAGE. . .	500 max.	600 max.	700 max.	volts
DC GRID-No.2				
(SCREEN-GRID)				
VOLTAGE	200 max.	200 max.	200 max.	volts
DC GRID-No.1				
(CONTROL-GRID)				
VOLTAGE	-175 max.	-175 max.	-175 max.	volts



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BEAM POWER TUBE

	CCS ^o	ICAS ^{oo}	IMS ^o	
DC PLATE CURRENT	75 max.	85 max.	85 max.	ma
DC GRID-No.1 CURRENT	3.5 max.	3.5 max.	3.5 max.	ma
PLATE INPUT.	30 max.	40 max.	55 max.	watts
GRID-No.2 INPUT.	2.5 max.	2.5 max.	2.5 max.	watts
PLATE DISSIPATION.	10 max.	13.5 max.	18.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:				
Heater negative with respect to cathode.	100 max.	100 max.	100 max.	volts
Heater positive with respect to cathode.	100 max.	100 max.	100 max.	volts
Typical CCS^o Operation:				
	<i>Up to 125 Mc</i>	<i>At 160 Mc</i>		
DC Plate Voltage	400	500	300	volts
DC Grid-No.2 Voltage ^{oo}	190	185	170	volts
<i>From a series resistor of.</i>	19000	28500	21500	ohms
DC Grid-No.1 Voltage ^o	-30	-40	-75	volts
<i>From a grid-No.1 resistor of.</i>	10000	13500	30000	ohms
Peak RF Grid-No.1 Voltage.	41	50	85	volts
DC Plate Current	75	60	75	ma
DC Grid-No.2 Current	11	11	6	ma
DC Grid-No.1 Current (Approx.).	3	3	2.5	ma
Driving Power (Approx.).	0.12	0.15	1.5	watts
Power Output (Approx.).	20	20	13	watts
Typical ICAS^{oo} Operation:				
	<i>Up to 125 Mc</i>	<i>At 160 Mc</i>		
DC Plate Voltage	600	350		volts
DC Grid-No.2 Voltage ^{oo}	185	200		volts
<i>From a series resistor of.</i>	41500	21500		ohms
DC Grid-No.1 Voltage ^o	-45	-90		volts
<i>From a grid-No.1 resistor of.</i>	15000	30000		ohms
Peak RF Grid-No.1 Voltage.	57	105		volts
DC Plate Current	66	85		ma
DC Grid-No.2 Current	10	7		ma
DC Grid-No.1 Current (Approx.).	3	3		ma

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BEAM POWER TUBE

Up to 125 Mc At 160 Mc

Driving Power (Approx.) . . .	0.17	2	watts
Power Output (Approx.) . . .	27	16.5	watts

Typical IMS^o Operation:

Up to 125 Mc

DC Plate Voltage	650	volts
DC Grid-No.2 Voltage ^{oo}	200	volts
From a series resistor of	45000	ohms
DC Grid-No.1 Voltage [†]	-49	volts
From a grid-No.1 resistor of	16300	ohms
Peak RF Grid-No.1 Voltage	68	volts
DC Plate Current	84	ma
DC Grid-No.2 Current	10	ma
DC Grid-No.1 Current (Approx.)	3	ma
Driving Power (Approx.)	0.2	watt
Power Output (Approx.)	36	watts

Maximum Circuit Values (CCS, or ICAS, or IMS Conditions):

Grid-No.1-Circuit Resistance [†]	30000 max.	ohms
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♦ Without external shield.

† Subscript 1 indicates that grid-No.1 current does not flow during any part of the input cycle.

• Continuous Commercial Service.

oo Intermittent Commercial and Amateur Service.

** Averaged over any audio-frequency cycle of sine-wave form.

▲ Preferably obtained from a separate source or from the plate voltage supply with a voltage divider.

* In applications requiring the use of grid-No.2 voltages above 135 volts, provision should be made for the adjustment of grid-No.1 bias for each tube separately. The necessity for this adjustment at the lower grid-No.2 voltages depends on the distortion requirements and on whether the plate-dissipation rating is exceeded at zero-signal plate current.

oo The resistance introduced into the grid-No.1 circuit by the input coupling should be held to a low value. In no case should it exceed the specified maximum value. Transformer- or impedance-coupling devices are recommended.

* Subscript 2 indicates that grid-No.1 current flows during some part of the input cycle.

* Driver stage should be capable of supplying the specified driving power at low distortion to the No.1 grids of the AB₂ stage. To minimize distortion, the effective resistance per grid-No.1 circuit of the AB₂ stage should be held at a low value. For this purpose, the use of transformer coupling is recommended.

o Intermittent Mobile Service.

• Obtained preferably from a separate source modulated along with the plate supply, or from the modulated plate supply through a series resistor.

• Obtained from grid-No.1 resistor or from a combination of grid-No.1 resistor with either fixed supply or cathode resistor.

† When grid-No.1 is driven positive and the 2E26 is operated at maximum ratings, the total dc grid-No.1-circuit resistance should not exceed the specified value of 30,000 ohms. If this value is insufficient to provide adequate bias, the additional required bias must be supplied by a cathode resistor or fixed supply. For operation at less than maximum ratings, the dc grid-No.1-circuit resistance may be as high as 0.1 megohm.



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- Key-down conditions per tube without amplitude modulation. Amplitude modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115% of the carrier conditions.
- Obtained preferably from a separate source, or from the plate supply voltage with a voltage divider, or through a series resistor. A series grid-No.2 resistor should be used only when the 2E26 is used in a circuit which is not keyed. Grid-No.2 voltage must not exceed 600 volts under key-up conditions.
- Obtained from fixed supply, by grid-No.1 resistor, by cathode resistor, or by combination methods.

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	Note	Min.	Max.	
Heater Current	1	0.74	0.86	amp
Direct Interelectrode Capacitances:				
Grid No.1 to plate	2	-	0.2	μ f
Grid No.1 to cathode & grid No.3 & internal shield, grid No.2, base sleeve, and heater	2	11.6	14	μ f
Plate to cathode & grid No.3 & internal shield, grid No.2, base sleeve, and heater	2	6.4	8	μ f
Plate Current	3	23	47	ma
Grid-No.2 Current	3	-	4	ma
Useful Power Output	4	18	-	watts

Note 1: With heater volts = 6.3 ac.

Note 2: Without external shield.

Note 3: With heater volts = 6.3 ac, dc plate volts = 200, dc grid-No.2 volts = 135, and dc grid-No.1 volts = -10.

Note 4: In a single-tube self-excited oscillator circuit, and with heater volts = 6.3 ac, dc plate volts = 500, dc grid-No.2 volts = 200, grid-No.1 resistor (megohms) = $0.015 \pm 10\%$, dc plate ma. = 60 maximum, dc grid-No.1 ma. = 1.8 to 2.2, and frequency (Mc) = 15.

MAXIMUM RATINGS vs OPERATING FREQUENCY

FREQUENCY	125	150	160	175	Mc
MAXIMUM-PERMISSIBLE PERCENTAGE OF MAXIMUM-RATED PLATE VOLTAGE OR PLATE INPUT:					
Class C plate-modulated telephony	100	83	75	68	%
Class C telegraphy	100	83	75	68	%

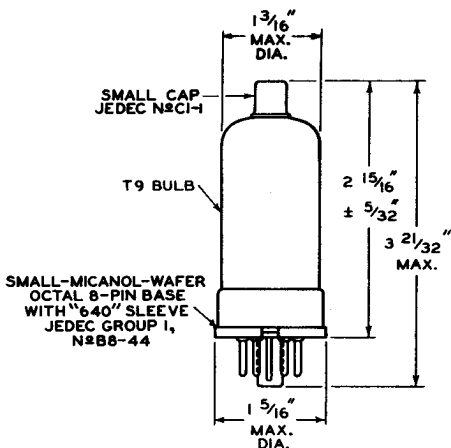
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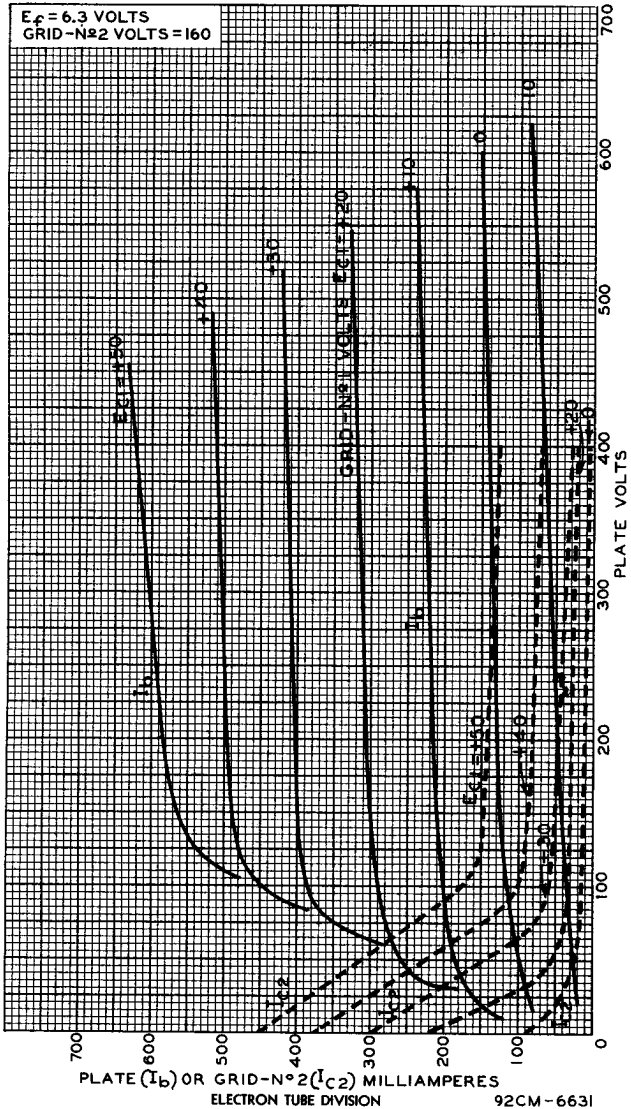
92CS-6607R3



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AVERAGE CHARACTERISTICS

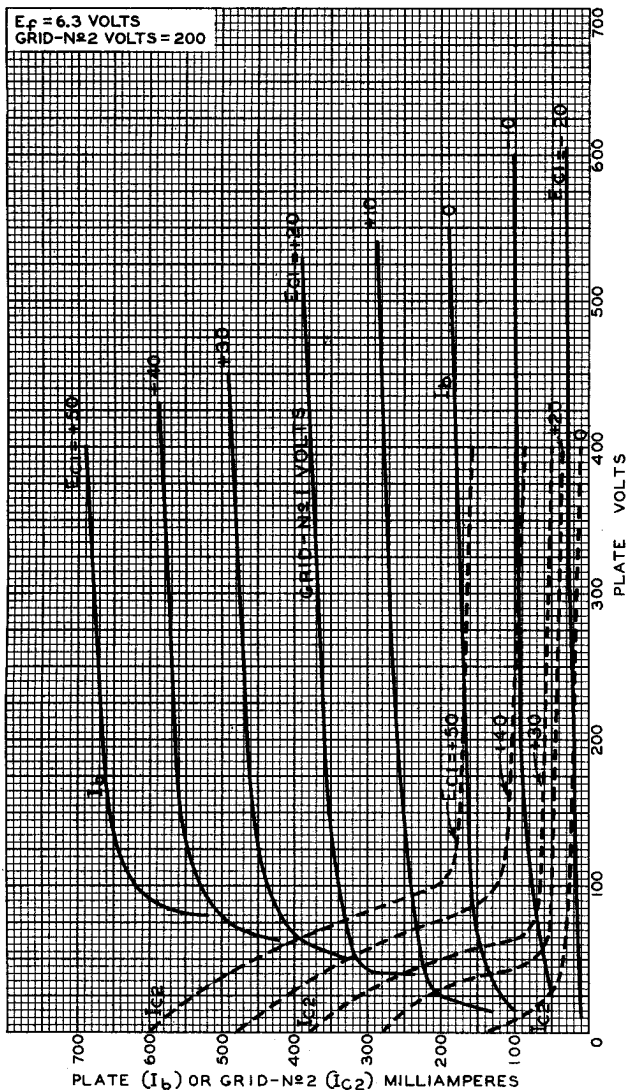


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AVERAGE CHARACTERISTICS



ELECTRON TUBE DIVISION

92CM-6630

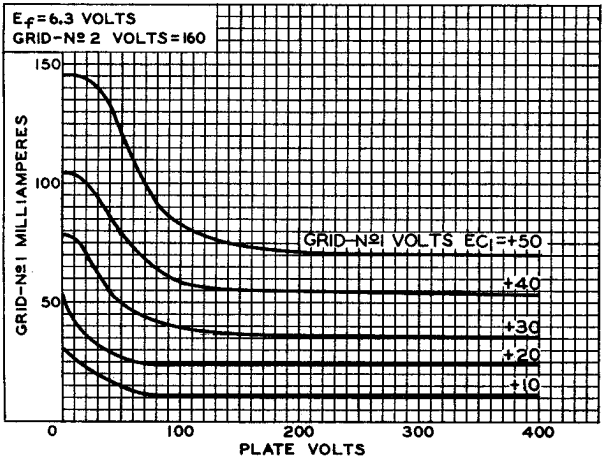
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



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TYPICAL CHARACTERISTICS



92CS-6628

