



ELECTRONIC TUBE REFERENCE

100TL

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-mu Eimac transmitting power triode intended for RF amplifier, oscillator, and modulator service. Its published operating data cover substantial Class C RF output and audio/modulator operation at plate voltages up to several kilovolts.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 6.3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.003 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM GRID DISSIPATION	15 W
<i>Published maximum ratings and average characteristics promoted.</i>	

100TL — Low-Mu Power Triode

The **100TL** is a low-mu power triode designed for use as an amplifier, oscillator, or modulator. Developed by Eitel-McCullough, Inc. (Eimac), later a division of Varian, this tube is capable of operating at its maximum ratings at frequencies as high as 40 MHz.

Overview and Cooling

The 100TL is characterized by its high thermal capability and robust design, featuring a maximum plate dissipation rating of 100 watts. Cooling of the tube is accomplished through a combination of radiation and convection. During operation at maximum dissipation, the plate runs at a visible red color, radiating heat through the glass envelope, while air circulation by convection cools the exterior of the tube. To facilitate heat transfer from the electrode terminals, the manufacturer recommends using specialized heat-dissipating connectors: the Eimac HR-6 for the plate terminal and the Eimac HR-2 for the grid terminal.

Mechanical Construction, Basing, and Pinout

The 100TL features a glass envelope construction with a ceramic base and external terminal caps for the grid and plate to minimize internal capacitances and handle high voltages.

Physical Dimensions and Weight

- **Maximum Overall Length:** 7.75 inches
- **Maximum Diameter:** 3.19 inches
- **Net Weight:** 4 ounces
- **Average Shipping Weight:** 1.5 pounds

Base and Mounting

The tube is equipped with a ceramic medium 4-pin bayonet base (RMA type M8-078) and utilizes the RMA type 2M basing configuration. It is designed to be mounted vertically, either base down or base up.

Pin and Terminal Connections

The electrical connections are distributed between the base pins and external caps on the envelope:

- **Pin 1:** Filament
- **Pin 2:** Not Connected
- **Pin 3:** Not Connected
- **Pin 4:** Filament
- **Grid Terminal:** Side-mount cap on the glass envelope (0.058" $\pm$ 0.003" pin diameter, designed for Eimac HR-2 connector)
- **Plate Terminal:** Top-mount cap on the glass envelope (No. 4000C cap, designed for Eimac HR-6 connector)

Electrical and Filament Characteristics

The 100TL utilizes a thoriated tungsten filament. Its average electrical characteristics are as follows:

Parameter	Value
Filament Voltage	5.0 V
Filament Current	6.3 A
Calculated Filament Power	31.5 W (calculated as 5.0 V × 6.3 A)
Amplification Factor (Average)	14
Grid-Plate Capacitance (C_{gp})	2.0 pF
Grid-Filament Capacitance (C_{gf})	2.3 pF
Plate-Filament Capacitance (C_{pf})	0.4 pF
Transconductance (g_m)	3000 μ mhos
Frequency for Maximum Ratings	40 MHz

The transconductance of 3000 μ mhos is specified at a plate current (i_b) of 225 mA, a plate voltage (E_b) of 3000 V, and a grid voltage (e_c) of -90 V.

Audio Frequency Power Amplifier and Modulator Service

In Class-AB1 audio frequency power amplifier and modulator service, the 100TL is typically operated in a push-pull configuration (two tubes). The ratings and typical operating conditions are detailed below.

Maximum Ratings (Absolute Values, per tube)

- **D-C Plate Voltage:** 3000 Max. Volts
- **Max-Signal D-C Plate Current:** 225 Max. mA
- **Plate Dissipation:** 100 Max. Watts

Typical Operation (Two Tubes, Sinusoidal Wave)

Parameter	1500 V Supply	2000 V Supply	2500 V Supply
D-C Plate Voltage	1500 V	2000 V	2500 V
D-C Grid Voltage (approx.)*	-65 V	-110 V	-145 V
Zero-Signal D-C Plate Current	80 mA	60 mA	48 mA

Parameter	1500 V Supply	2000 V Supply	2500 V Supply
Max-Signal D-C Plate Current	320 mA	280 mA	250 mA
Effective Load (Plate-to-Plate)	8800 Ω	15,000 Ω	22,000 Ω
Peak A-F Grid Input Voltage (per tube)	235 V	270 V	290 V
Max-Signal Peak Driving Power	21 W	22 W	20 W
Max-Signal Nominal Driving Power (approx.)	10.5 W	11 W	10 W
Max-Signal Plate Power Output	280 W	360 W	425 W

Radio Frequency Power Amplifier and Oscillator Service

For Class-C Telegraphy or FM Telephony under key-down conditions, the 100TL can be operated as a high-efficiency RF amplifier or oscillator.

Maximum Ratings (per tube)

- **D-C Plate Voltage:** 3000 Max. Volts
- **D-C Plate Current:** 225 Max. mA
- **Plate Dissipation:** 100 Max. Watts
- **Grid Dissipation:** 15 Max. Watts

Typical Operation (Single Tube)

Parameter	1500 V Supply	2000 V Supply	3000 V Supply
D-C Plate Voltage	1500 V	2000 V	3000 V
D-C Grid Voltage	-175 V	-225 V	-400 V
D-C Plate Current	190 mA	165 mA	165 mA
D-C Grid Current	37 mA	28 mA	30 mA
Peak R-F Grid Input Voltage	425 V	450 V	650 V

Parameter	1500 V Supply	2000 V Supply	3000 V Supply
Driving Power (approx.)	14 W	11 W	20 W
Grid Dissipation	7.5 W	5 W	8 W
Plate Power Input	285 W	335 W	500 W
Plate Dissipation	100 W	100 W	100 W
Plate Power Output	185 W	235 W	400 W

Calculated Plate Efficiencies:

- At 1500 V: 64.9% (calculated as 185 W output divided by 285 W input)
- At 2000 V: 70.1% (calculated as 235 W output divided by 335 W input)
- At 3000 V: 80.0% (calculated as 400 W output divided by 500 W input)

Plate Modulated Radio Frequency Amplifier Service

In Class-C Telephony carrier conditions, the plate voltage and current ratings are reduced to accommodate the peak voltages introduced by modulation.

Maximum Ratings (per tube)

- **D-C Plate Voltage:** 2500 Max. Volts
- **D-C Plate Current:** 180 Max. mA
- **Plate Dissipation:** 65 Max. Watts
- **Grid Dissipation:** 15 Max. Watts

Typical Operation (Single Tube)

Parameter	1500 V Supply	2000 V Supply	2500 V Supply
D-C Plate Voltage	1500 V	2000 V	2500 V
D-C Grid Voltage	-300 V	-400 V	-500 V
D-C Plate Current	160 mA	150 mA	140 mA
D-C Grid Current	32 mA	31 mA	31 mA
Peak R-F Grid Input Voltage	530 V	655 V	750 V
Driving Power (approx.)	17 W	20 W	23 W

Parameter	1500 V Supply	2000 V Supply	2500 V Supply
Grid Dissipation	8 W	7.5 W	7.5 W
Plate Power Input	240 W	300 W	350 W
Plate Dissipation	65 W	65 W	65 W
Plate Power Output	175 W	235 W	285 W

Calculated Plate Efficiencies:

- At 1500 V: 72.9% (calculated as 175 W output divided by 240 W input)
- At 2000 V: 78.3% (calculated as 235 W output divided by 300 W input)
- At 2500 V: 81.4% (calculated as 285 W output divided by 350 W input)

Constant Current and Driving Power Characteristics

The operational behavior of the 100TL is defined by its constant current characteristics and driving power relationships.

Constant Current Characteristics

The constant current curves map grid voltage against plate voltage for specific values of plate and grid current:

- **Grid Voltage Range:** -600 V to +800 V
- **Plate Voltage Range:** 0 V to 5500 V
- **Plate Current Curves:** Plotted from 0.100 A up to 2.00 A.
- **Grid Current Curves:** Plotted from 10 mA up to 550 mA, showing the positive grid region where grid current flows during peak drive.

Driving Power vs. Power Output

The driving power requirements vary with plate voltage, desired power output, and plate efficiency:

- **1500 V Plate Voltage:** Typical operating curves show plate efficiencies from 60% (at $E_C = -150$ V) to 75% (at $E_C = -225$ V). At a plate dissipation (P_p) of 100 W, the grid driving power rises as power output increases.
- **2000 V Plate Voltage:** Plotted efficiencies range from 60% (at $E_C = -200$ V) to 75% (at $E_C = -250$ V).
- **3000 V Plate Voltage:** Plotted efficiencies range from 70% (at $E_C = -325$ V) to 80% (at $E_C = -400$ V).

These driving power figures represent combined grid and bias losses only and do not account for external circuit losses.

Technical Summary

The **100TL** is a versatile, low-mu power triode featuring a thoriated tungsten filament (5.0 V, 6.3 A) and an average amplification factor of 14. Designed for vertical mounting with a ceramic medium 4-pin bayonet base, it utilizes external grid and plate caps to manage high voltages and minimize interelectrode capacitances ($C_{gp} = 2.0$ pF, $C_{gf} = 2.3$ pF, $C_{pf} = 0.4$ pF). With a maximum plate dissipation of 100 watts (reduced to 65 watts in plate-modulated service), the tube is highly suited for Class-AB1 modulators, Class-C RF power amplifiers, and oscillators operating at frequencies up to 40 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Eimac Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 EIMAC TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The Eimac [1]	100 W	The Eimac 100Tl is a lo w-m u powe r triode ha ving a ma ximum plate dissipation ra ting of 100
The Eimac [2]	100 W	The Eimac 100Tl is a lo w-m u powe r triode ha ving a ma ximum plate dissipation ra ting of 100
Cooling of the	100	Cooling of the 100Tl is a ccomplished by rad iation fro m th e plate, whic h operates at a visi b le
Current	6.3 A	Current - - 6.3 amperes
Grid -Pla te [1]	2	Grid -Pla te 2 .0 p.p.f
Grid -Pla te [2]	0	Grid -Pla te 2 .0 p.p.f
Grid- Filament	2.3	Grid- Filament - 2.3 p.p. f
Plate- Filamen t	0.4	Plate- Filamen t - - 0.4 p.p.f
Grid Eimac HR	2	Grid Eimac HR-2
AND MODULATOR D-C Plate Vo ltage [1]	1500	AND MODULATOR D-C Plate Vo ltage - 1500 200 0 2500 Volts
AND MODULATOR D-C Plate Vo ltage [2]	200	AND MODULATOR D-C Plate Vo ltage - 1500 200 0 2500 Volts
AND MODULATOR D-C Plate Vo ltage [3]	0	AND MODULATOR D-C Plate Vo ltage - 1500 200 0 2500 Volts
AND MODULATOR D-C Plate Vo ltage [4]	2500	AND MODULATOR D-C Plate Vo ltage - 1500 200 0 2500 Volts
D-C Grid Vo lta g e [e p p rox.] " [1]	-65	D-C Grid Vo lta g e [e p p rox.] " -65 - 110 -1 4 5 Volts
D-C Grid Vo lta g e [e p p rox.] " [2]	110	D-C Grid Vo lta g e [e p p rox.] " -65 - 110 -1 4 5 Volts
D-C Grid Vo lta g e [e p p rox.] " [3]	-1	D-C Grid Vo lta g e [e p p rox.] " -65 - 110 -1 4 5 Volts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D-C Grid Vo lta g e [e p p rox.] " [4]	4	D-C Grid Vo lta g e [e p p rox.] " -65 - 110 -1 4 5 Volts
D-C Grid Vo lta g e [e p p rox.] " [5]	5	D-C Grid Vo lta g e [e p p rox.] " -65 - 110 -1 4 5 Volts
Ma x-Sig na l D·C Plate C urre nt [1]	320	Ma x-Sig na l D·C Plate C urre nt - 320 280 250 Ma .
Ma x-Sig na l D·C Plate C urre nt [2]	280	Ma x-Sig na l D·C Plate C urre nt - 320 280 250 Ma .
Ma x-Sig na l D·C Plate C urre nt [3]	250	Ma x-Sig na l D·C Plate C urre nt - 320 280 250 Ma .
Effective Load , Plat e-to-Plate [1]	880	Effective Load , Plat e-to-Plate - 880 0 15,00 0 22 ,000 O hms
Effective Load , Plat e-to-Plate [2]	0	Effective Load , Plat e-to-Plate - 880 0 15,00 0 22 ,000 O hms
Effective Load , Plat e-to-Plate [3]	1500	Effective Load , Plat e-to-Plate - 880 0 15,00 0 22 ,000 O hms
Effective Load , Plat e-to-Plate [4]	0	Effective Load , Plat e-to-Plate - 880 0 15,00 0 22 ,000 O hms
Effective Load , Plat e-to-Plate [5]	22	Effective Load , Plat e-to-Plate - 880 0 15,00 0 22 ,000 O hms
Effective Load , Plat e-to-Plate [6]	0	Effective Load , Plat e-to-Plate - 880 0 15,00 0 22 ,000 O hms
D-C PLATE VO LTAG E [1]	3000	D-C PLATE VO LTAG E - 3000 MAX . VOLTS Peak A-F G rid In put Volt ag e (pe r t ube) - 235 270 290 Volts
D-C PLATE VO LTAG E [2]	235	D-C PLATE VO LTAG E - 3000 MAX . VOLTS Peak A-F G rid In put Volt ag e (pe r t ube) - 235 270 290 Volts
D-C PLATE VO LTAG E [3]	270	D-C PLATE VO LTAG E - 3000 MAX . VOLTS Peak A-F G rid In put Volt ag e (pe r t ube) - 235 270 290 Volts
D-C PLATE VO LTAG E [4]	290	D-C PLATE VO LTAG E - 3000 MAX . VOLTS Peak A-F G rid In put Volt ag e (pe r t ube) - 235 270 290 Volts
Max-Sig na l Peak Driving Power [1]	21 W	Max-Sig na l Peak Driving Power 21 22 20 W atts
Max-Sig na l Peak Driving Power [2]	22 W	Max-Sig na l Peak Driving Power 21 22 20 W atts
Max-Sig na l Peak Driving Power [3]	20 W	Max-Sig na l Peak Driving Power 21 22 20 W atts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ma x-Sig na l N o mi na l Driving Power (a p pr o x.) [1]	10.5 W	Ma x-Sig na l N o mi na l Driving Power (a p pr o x.) 10.5 II 10 Watts
Ma x-Sig na l N o mi na l Driving Power (a p pr o x.) [2]	10 W	Ma x-Sig na l N o mi na l Driving Power (a p pr o x.) 10.5 II 10 Watts
M a x-Slq na l Plat e Power Outp ut [1]	280 W	M a x-Slq na l Plat e Power Outp ut 280 360 4 25 Watts
M a x-Slq na l Plat e Power Outp ut [2]	360 W	M a x-Slq na l Plat e Power Outp ut 280 360 4 25 Watts
M a x-Slq na l Plat e Power Outp ut [3]	4 W	M a x-Slq na l Plat e Power Outp ut 280 360 4 25 Watts
M a x-Slq na l Plat e Power Outp ut [4]	25 W	M a x-Slq na l Plat e Power Outp ut 280 360 4 25 Watts
PLATE DISSIP ATION , PER TUBE •	100	PLATE DISSIP ATION , PER TUBE • 100 MA X. W ATTS * Ad ju st t o g ive sta te d ze ro sig na l pl e te c urre nt.
AND OSCILLATOR D-C Plate Volta g e [1]	1500	AND OSCILLATOR D-C Plate Volta g e - 1500 20 00 3000 Volts
AND OSCILLATOR D-C Plate Volta g e [2]	20	AND OSCILLATOR D-C Plate Volta g e - 1500 20 00 3000 Volts
AND OSCILLATOR D-C Plate Volta g e [3]	0	AND OSCILLATOR D-C Plate Volta g e - 1500 20 00 3000 Volts
AND OSCILLATOR D-C Plate Volta g e [4]	3000	AND OSCILLATOR D-C Plate Volta g e - 1500 20 00 3000 Volts
Cla ss-C Teleg rap hy or FM Telephony D-C Plate Cu rr e nt [1]	190	Cla ss-C Teleg rap hy or FM Telephony D-C Plate Cu rr e nt - 190 165 165 Ma .
Cla ss-C Teleg rap hy or FM Telephony D-C Plate Cu rr e nt [2]	165	Cla ss-C Teleg rap hy or FM Telephony D-C Plate Cu rr e nt - 190 165 165 Ma .
Cla ss-C Teleg rap hy or FM Telephony D-C Plate Cu rr e nt [3]	165	Cla ss-C Teleg rap hy or FM Telephony D-C Plate Cu rr e nt - 190 165 165 Ma .
(K ey-down co nd it io ns, p e r t ub e I D-C Grid Curren t [1])	37	(K ey-down co nd it io ns, p e r t ub e I D-C Grid Curren t - 37 28 30 Ma .
(K ey-down co nd it io ns, p e r t ub e I D-C Grid Curren t [2])	28	(K ey-down co nd it io ns, p e r t ub e I D-C Grid Curren t - 37 28 30 Ma .

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
(K ey-down co nd it io ns, p e r t ub e I D-C Grid Curren t [3]	30	(K ey-down co nd it io ns, p e r t ub e I D-C Grid Curren t - 37 28 30 Ma .
D-C PLATE VO LTAG E [1]	3000 W	D-C PLATE VO LTAG E 3000 MAX. VO LTS Drivin g Power (a p pr ox.) 14 II 20 W atts
D-C PLATE VO LTAG E [2]	14 W	D-C PLATE VO LTAG E 3000 MAX. VO LTS Drivin g Power (a p pr ox.) 14 II 20 W atts
D-C PLATE VO LTAG E [3]	20 W	D-C PLATE VO LTAG E 3000 MAX. VO LTS Drivin g Power (a p pr ox.) 14 II 20 W atts
Grid Dissip at ion [1]	7.5	Grid Dissip at ion 7.5 5 8 W atts
Grid Dissip at ion [2]	5	Grid Dissip at ion 7.5 5 8 W atts
Grid Dissip at ion [3]	8	Grid Dissip at ion 7.5 5 8 W atts
D-C PLATE C URREN T	225	D-C PLATE C URREN T 225 MAX. MA.
PLATE DISSI PATIO N [1]	100	PLATE DISSI PATIO N 100 MA X. WATTS Plate Dissip at io n 100 100 100 W atts
PLATE DISSI PATIO N [2]	100	PLATE DISSI PATIO N 100 MA X. WATTS Plate Dissip at io n 100 100 100 W atts
PLATE DISSI PATIO N [3]	100	PLATE DISSI PATIO N 100 MA X. WATTS Plate Dissip at io n 100 100 100 W atts
PLATE DISSI PATIO N [4]	100	PLATE DISSI PATIO N 100 MA X. WATTS Plate Dissip at io n 100 100 100 W atts
~ GR ID DISSIPATIO N [1]	15 W	~ GR ID DISSIPATIO N 15 MAX . WATT S Plate Power O utput - 185 235 400 W atts
~ GR ID DISSIPATIO N [2]	185 W	~ GR ID DISSIPATIO N 15 MAX . WATT S Plate Power O utput - 185 235 400 W atts
~ GR ID DISSIPATIO N [3]	235 W	~ GR ID DISSIPATIO N 15 MAX . WATT S Plate Power O utput - 185 235 400 W atts
~ GR ID DISSIPATIO N [4]	400 W	~ GR ID DISSIPATIO N 15 MAX . WATT S Plate Power O utput - 185 235 400 W atts
D-C Grid Volt ag e [1]	300	D-C Grid Volt ag e - - 300 -400 -500 Vo lts
D-C Grid Volt ag e [2]	-400	D-C Grid Volt ag e - - 300 -400 -500 Vo lts
D-C Grid Volt ag e [3]	-500	D-C Grid Volt ag e - - 300 -400 -500 Vo lts
C less-C Telephony (Ca rrier co ndi tio ns, pe r tube) D-C Plate Curre nt [1]	160	C less-C Telephony (Ca rrier co ndi tio ns, pe r tube) D-C Plate Curre nt - 160 150 140 Ma .
C less-C Telephony (Ca rrier co ndi tio ns, pe r tube) D-C Plate Curre nt [2]	150	C less-C Telephony (Ca rrier co ndi tio ns, pe r tube) D-C Plate Curre nt - 160 150 140 Ma .

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
C less-C Telephony (Carrier co ndi tio ns, pe r tube) D-C Plate Curre nt [3]	140	C less-C Telephony (Carrier co ndi tio ns, pe r tube) D-C Plate Curre nt - 160 150 140 Ma .
MA XIM UM RATING S Pea k R-F Grid Inpu t Vo lt ag e [1]	530	MA XIM UM RATING S Pea k R-F Grid Inpu t Vo lt ag e - 530 655 750 Vo lts
MA XIM UM RATING S Pea k R-F Grid Inpu t Vo lt ag e [2]	655	MA XIM UM RATING S Pea k R-F Grid Inpu t Vo lt ag e - 530 655 750 Vo lts
MA XIM UM RATING S Pea k R-F Grid Inpu t Vo lt ag e [3]	750	MA XIM UM RATING S Pea k R-F Grid Inpu t Vo lt ag e - 530 655 750 Vo lts
D-C PLATE VO LTAG E [1]	2500 W	D-C PLATE VO LTAG E 2500 MAX. VOLTS Driving Power [eppro x.] 17 20 23 Wa tts
D-C PLATE VO LTAG E [2]	17 W	D-C PLATE VO LTAG E 2500 MAX. VOLTS Driving Power [eppro x.] 17 20 23 Wa tts
D-C PLATE VO LTAG E [3]	20 W	D-C PLATE VO LTAG E 2500 MAX. VOLTS Driving Power [eppro x.] 17 20 23 Wa tts
D-C PLATE VO LTAG E [4]	23 W	D-C PLATE VO LTAG E 2500 MAX. VOLTS Driving Power [eppro x.] 17 20 23 Wa tts
D-C PLATE CU RRENT	180	D-C PLATE CU RRENT 180 MA X. MA.
PLATE DISSIPATIO N [1]	65 W	PLATE DISSIPATIO N 65 MAX . W ATTS Plate Dissipation 65 65 65 Wa tt s
PLATE DISSIPATIO N [2]	65 W	PLATE DISSIPATIO N 65 MAX . W ATTS Plate Dissipation 65 65 65 Wa tt s
PLATE DISSIPATIO N [3]	65 W	PLATE DISSIPATIO N 65 MAX . W ATTS Plate Dissipation 65 65 65 Wa tt s
PLATE DISSIPATIO N [4]	65 W	PLATE DISSIPATIO N 65 MAX . W ATTS Plate Dissipation 65 65 65 Wa tt s
G RID DISSI PATIO N [1]	15 W	G RID DISSI PATIO N 15 MAX. WATTS Plat e Power Output - 175 235 285 W atts
G RID DISSI PATIO N [2]	175 W	G RID DISSI PATIO N 15 MAX. WATTS Plat e Power Output - 175 235 285 W atts
G RID DISSI PATIO N [3]	235 W	G RID DISSI PATIO N 15 MAX. WATTS Plat e Power Output - 175 235 285 W atts
G RID DISSI PATIO N [4]	285 W	G RID DISSI PATIO N 15 MAX. WATTS Plat e Power Output - 175 235 285 W atts
Published value	600	600) ~o GRID



1962 Eimac

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1962 EIMAC
Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	2 pF	—
Grid-Filament Capacitance	2.3 pF	—
Plate-Filament Capacitance	0.4 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Frequency for Full Ratings	40 MHz	—
Maximum DC Plate Current	225 mA	RF/AF
RF Typical Plate Voltage	3000 V	ClassC
RF Typical Plate Power Output	400 W	ClassC
AF Typical Plate Voltage	2500 V	ClassAB;TwoTubes
Plate-Modulated Maximum Plate Voltage	2500 V	ClassC;Telephony
Plate-Modulated Maximum Plate Current	180 mA	ClassC;Telephony
Plate-Modulated Maximum Plate Dissipation	65 W	ClassC;Telephony

TUBE TINKER

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