



ELECTRONIC TUBE REFERENCE

203A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Thoriated-tungsten transmitting power triode for Class C oscillator and RF power-amplifier service, with additional transmitting applications. Rated for about 100 W plate dissipation and kilovolt-level plate operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 3.26 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	6000 Ω
TRANSCONDUCTANCE	0.0042 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	175 mA
Maximum ratings and characteristic constants promoted where reliably published in the approved sheet.	

The RCA 203A is a thoriated-tungsten transmitting power triode. The supplied source provides transmitting, RF, or rectifier ratings appropriate to this device.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 RCA Transmitting Tubes

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

1938 RCA TRANSMITTING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
filament type with a maximum plate dissipation rating of	100 W	filament type with a maximum plate dissipation rating of 100 watts for class C
D-C Plate Voltage 1000	1250 V	D-C Plate Voltage 1000 1250 Volts
Peak A-F Grid-to-Grid Voltage ... 310	330 V	Peak A-F Grid-to-Grid Voltage ... 310 330 Volts
D-C Plate Voltage	1250 V	D-C Plate Voltage 1250 max. Volts
D-C Plate Current	150 mA	D-C Plate Current 150 max. Milliamperes
Peak R-F Grid Voltage- 95	90 V	Peak R-F Grid Voltage- 95 90 Volts
D-C Plate Current... 130	106 mA	D-C Plate Current... 130 106 Milliamperes
D-C Grid Current (Approx.) 5	3 mA	D-C Grid Current (Approx.) 5 3 Milliamperes
Power Output (Approx.) - 40	42.5 W	Power Output (Approx.) - 40 42.5 Watts
D-C Plate Voltage	1000 V	D-C Plate Voltage .. 1000 max. Volts
D-C Grid Voltage	-400 V	D-C Grid Voltage .. -400 max. Volts
Peak R-F Grid Voltage 235	275 V	Peak R-F Grid Voltage 235 275 Volts
D-C Plate Current 150	150 mA	D-C Plate Current 150 150 Milliamperes
D-C Grid Current (Approx.) .. 50	50 mA	D-C Grid Current (Approx.) .. 50 50 Milliamperes
Grid Resistor 2000	2700 Ω	Grid Resistor 2000 2700 Ohms
Driving Power (Approx.) .. 12	14 W	Driving Power (Approx.) .. 12 14 Watts
D-C Plate Voltage	1250 V	D-C Plate Voltage .. 1250 max. Volts
D*C Plate Current	175 mA	D*C Plate Current 175 max. Milliamperes

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Input	220 W	Plate Input-- 220 max. Watts
D'C Plate Voltage..... 750 1000	1250 V	D'C Plate Voltage..... 750 1000 1250 Volts
Peak R-F Grid Voltage ... 195 225	255 V	Peak R-F Grid Voltage ... 195 225 255 Volts
each stated value of grid voltage should be decreased by	7 V	each stated value of grid voltage should be decreased by 7 volts and the circuit returns made to the
For high-frequency operation above	15 MHz	For high-frequency operation above 15 megacycles, see page 144.



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

193X Taylor Transmitting

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

193X TAYLOR TRANSMITTING

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	10 V	Nominal published value
Filament Current	3.85 A	Nominal published value
Maximum Operating Plate Voltage	1500 V	Class C oscillator / RF power-amplifier service where published
Maximum Plate Dissipation	100 W	Published maximum rating
Plate to Grid, mmf	14 pF	Published direct interelectrode capacitance
Plate to Filament,	7 pF	Published direct interelectrode capacitance

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	6000 ohm	Published general characteristic
Mutual Conductance	4200 μS	Published general characteristic
Amplification Factor	25	Published general characteristic



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 Taylor Tubes

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

1940 TAYLOR TUBES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-grid capacitance	14 pF	—
Grid-to-filament capacitance	8 pF	—
Plate-to-filament capacitance	7 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 United Electronics

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

1945 UNITED ELECTRONICS

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	10 V	—
Filament current	3.26 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct plate voltage	1250 V	—
Maximum plate dissipation	100 W	—
Maximum direct plate current	175 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Inverse Voltage	1250 V	Source rating
Maximum Plate Dissipation	100 W	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker