



ELECTRONIC TUBE REFERENCE

861

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu transmitting triode designed for radio-frequency power-amplifier and oscillator service in professional transmitting equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	11 V / 10 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0021 S
AMPLIFICATION FACTOR	300
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM SCREEN VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	400 W
MAXIMUM CATHODE CURRENT	350 mA
<i>Published maximum ratings and characteristic values promoted from the approved source.</i>	

High-mu transmitting triode for RF power-amplifier and oscillator service.



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
HeaterVoltageNominal	11 V	Nominal
HeaterCurrentNominal	10 A	Nominal
Maximum Plate Voltage	3500 V	—
Maximum Screen Voltage	750 V	—
Maximum Plate Dissipation	400 W	—
Maximum Frequency	20 MHz	Published full-rating frequency guidance
RFPowerOutput	700 W	ClassC Telegraphy; 3500 V plate

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2100 μ S	Typical
Amplification Factor	300	Typical



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	11 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentCurrent	10 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingFrequency	63 MHz	Reduced ratings may apply at upper frequencies

TUBE TINKER

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and their source documents.

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