



ELECTRONIC TUBE REFERENCE

860

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	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0011 S
AMPLIFICATION FACTOR	200
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Published ratings and characteristics promoted where directly established; remaining useful published data retained as parameters.</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	10 V	Nominal
HeaterCurrentNominal	3.25 A	Nominal
Maximum Plate Voltage	3000 V	—
Maximum Screen Voltage	500 V	—
Maximum Plate Dissipation	100 W	—
Maximum Frequency	30 MHz	Published full-rating frequency guidance

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1100 μ S	Typical
Amplification Factor	200	Typical



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to Plate (with external shielding) max.....	0.08 pF	Published average direct interelectrode capacitance

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to Filament ...7.75 uuf A	7.75 pF	Published average direct interelectrode capacitance
Plate to Filament ...T.5 uuf -	5 pF	Published average direct interelectrode capacitance
Filament current	3.25 A	Nominal general rating



SOURCE DATA APPENDIX

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	10 V	—
HeaterOrFilamentCurrent	3.25 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingFrequency	120 MHz	Reduced ratings may apply at upper frequencies

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