



ELECTRONIC TUBE REFERENCE

835

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Thoriated-tungsten transmitting triode for AF power/modulator and RF amplifier/oscillator service, with 75-watt maximum plate dissipation.

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	0.0036 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	75 W
Electrical section extracted from supplied RCA data sheet. Reference-only limitations noted in TUBE.Notes.	

Thoriated-tungsten transmitting triode for AF power/modulator and RF amplifier/oscillator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	10 V	—
HeaterOrFilamentCurrent	3.25 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyForMaximumRatings	20 MHz	—



SOURCE OPERATING CONDITIONS

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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	100 MHz	Reduced ratings may apply at upper frequencies

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage nominal	10 V	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage	10 A	Published source row
Current	3	Published source row
Current (value 2)	5	Published source row
Grid to Filament ~` ^	6	Published source row
~> ~ ~ ~	1	Published source row
Voltage	2.5 A	Published source row
A '	2 A	Published source row
A ' (value 2)	5 A	Published source row
Peak Inverse Plate Voltage	5000 V	Published source row
Peak Plate Current	1 A	Published source row
Average Plate Current	250 mA	Published source row
Maximum plate voltage	5000 V	Promoted field corroboration

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