

ELECTRONIC TUBE REFERENCE

592

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled transmitting triode for RF amplification, oscillation, audio amplification, and Class B modulation. Rated for 200 W plate dissipation, with published RF operation producing about 600 W output to approximately 150 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM PLATE DISSIPATION	200 W
MAXIMUM GRID DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	250 mA
Promoted from printed maximum ratings and general characteristics.	

Forced-air-cooled transmitting triode for amplifier, oscillator, or Class B modulator service through 150 MHz.



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	5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingFrequency	150 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 - - - - - - 33uuf	33 pF	—
Grid-Filament - - - - - - - 36uuf	36 pF	—
Plate-Filament - - - - - 029 uuf	29 pF	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 Eimac Tube Manual

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

1975 EIMAC TUBE MANUAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	3.3 pF	—
Grid-Filament Capacitance	3.6 pF	—
Plate-Filament Capacitance	0.29 pF	—
Transconductance	0.0036 A/V	—
Frequency Maximum	150 MHz	—
AF Plate Voltage Maximum	3500 V	—
AF Max-Signal Plate Current	250 mA	—
Plate-Modulated RF Plate Voltage Maximum	2600 V	—
RF Plate Voltage Maximum	3500 V	—
RF Plate Current Maximum	250 mA	—
Typical RF Plate Output	600 W	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1976 Eimac Tube Manual

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

1976 EIMAC TUBE MANUAL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	3.3 pF	—
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