



ELECTRONIC TUBE REFERENCE

862A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Very-high-power water-cooled transmitting triode for RF amplification, oscillation, and audio-frequency amplifier/modulator service. Rated for about 75 kW plate dissipation, with published two-tube Class B audio output around 90 kW.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	34.6 V / 207 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	75000 W
MAXIMUM CATHODE CURRENT	13 A
Published maximum ratings/characteristics promoted where clearly stated in the approved source.	

Very-high-power water-cooled three-electrode tube for RF amplifier, oscillator, and audio-frequency power-amplifier/modulator 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
Amplification Factor	45	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	20000 V	—
Maximum Plate Dissipation	75000 W	—
Maximum Cathode Current	13 A	—
Maximum Signal Power Output	90 kW	AudioFrequency,ClassB
Typical Plate Voltage	15000 V	RF ClassB

TUBE TINKER

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and their source documents.

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