



ELECTRONIC TUBE REFERENCE

893R

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power transmitting triode for RF amplification, oscillation, modulation, or related transmitter and industrial service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 61 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.016 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	20000 W
Forced-air-cooled transmitting triode; highest published service plate limit and dissipation promoted.	

Forced-air-cooled transmitting triode; supplied source contains installation and operating guidance for high-power RF and audio/modulator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltageNominal	10 V	—
HeaterOrFilamentCurrentNominal	61 A	—
Maximum Plate Voltage	20000 V	—
Maximum Plate Dissipation	20000 W	ForcedAir

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	35	—
Transconductance	16000 μS	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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