



ELECTRONIC TUBE REFERENCE

AD1N

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated low-mu power triode designed for Class A audio-frequency output amplification. Manufacturer operating data emphasize low plate resistance, substantial current, and several watts of single-ended audio output rather than RF transmitting service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	4 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	1035 Ω
TRANSCONDUCTANCE	0.0043 S
AMPLIFICATION FACTOR	4.4
MAXIMUM PLATE VOLTAGE	295 V
MAXIMUM PLATE DISSIPATION	15 W
<i>Electrical section mapped from published characteristics and maximum ratings.</i>	

Power triode for Class A audio-frequency power-amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	—
Plate current	60 mA	—
Grid bias	-45 V	—
Warm-up time	16 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output power, class A	4.2 W	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1969 Tesla Manual of Electronic Tubes

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

1969 TESLA MANUAL OF ELECTRONIC TUBES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4 V	Published nominal value
Heater current	2 A	Published nominal value
Transconductance	4300 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	15 W	Published maximum rating
Audio output power	4.2 W	Class A