

ELECTRONIC TUBE REFERENCE

RD18YA

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-and-air-cooled Tesla transmitting triode for RF power amplification, oscillation, and Class B audio-frequency service. Approximately 18 kW plate dissipation and 15 kV capability support major transmitter and modulator power.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	18000 W
Promoted fields populated from published maximum-ratings/characteristic tables where OCR semantics were unambiguous.	

Water-and-air-cooled transmitting triode with 18 kW anode dissipation for RF power amplification, oscillation, and Class-B AF power amplification up to 30 MHz.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	18–20 V	Published range
Heater Current	94 A–104 A	Published range
Maximum Plate Voltage	15000 V	Highest published maximum rating
Maximum Plate Dissipation	18000 W	—
Maximum Frequency	30 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tesla Tubes

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

1966 TESLA TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	18–20 V	—
Heater current	94 A–104 A	—
Cooling water flow	18 L/min	Cooling

TUBE TINKER

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

