



ELECTRONIC TUBE REFERENCE

RD15XA

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled Tesla transmitting triode for AF and RF amplification, oscillators, industrial RF heating, and ultrasonic generators. Approximately 1.5 kW plate dissipation and 10 kV capability provide versatile professional power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	600 mA
Published maximum ratings and characteristics promoted from the approved source.	

Forced-air-cooled transmitting triode with 1.5 kW anode dissipation for AF or RF power amplification and oscillation up to 30 MHz, including industrial RF heating and ultrasonic generators.

SOURCE OPERATING CONDITIONS

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	12.5–13.5 V	Published range
Heater Current	39 A–43 A	Published range
Maximum Plate Dissipation	1500 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	12.5–13.5 V	—
Heater current	39 A–43 A	—
Maximum anode current	600 mA	—
Maximum grid current	120 mA	—
Maximum frequency	30 MHz	—
Forced-air flow	5 m3/min	Anode cooling
Maximum radiator temperature	150 degC	Cooling
Maximum pin temperature	180 degC	Cooling

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	22–30	—
Plate resistance	6000–9000 ohm	—
Emission current	3.7 A	—

TUBE TINKER

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and their source documents.

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