



ELECTRONIC TUBE REFERENCE

RD20VL

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Coaxial directly heated Tesla transmitting triode for high-frequency power generation and amplification. Approximately 20 kW plate dissipation and 12 kV capability support substantial operation to roughly 100 MHz with specialized cooling.

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

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	20000 W
<i>Promoted fields populated from published maximum-ratings/characteristic tables where OCR semantics were unambiguous.</i>	

Coaxial directly heated transmitting triode with 20 kW anode dissipation for high-frequency power generation and amplification up to 100 MHz, using ebullition and forced-air cooling.



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	9–11 V	Published range
Heater Current	—180 A	Published range
Maximum Plate Voltage	12000 V	Highest published maximum rating
Maximum Plate Dissipation	20000 W	—
Maximum Frequency	100 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	9–11 V	—
Forced air flow	1 m3/min	Cooling