



ELECTRONIC TUBE REFERENCE

RD50VL

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Power transmitting triode intended for RF amplification, oscillation, or related professional service. Manufacturer documentation emphasizes radio-frequency operation, useful power output, and transmitter or industrial applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	13 V / 260 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	60
MAXIMUM PLATE DISSIPATION	50000 W
<i>Promoted fields populated from published maximum-ratings/characteristic tables where OCR semantics were unambiguous.</i>	

The TESLA RD50VL tube is directly heated Die TESLA-Rohre RD50VL ist eine direkt triode of 50 kW anode dissipation, intended geheizte Triode mit 50 kW Anodenverlust- for use asan RF power amplifier or oscillator leistung, bestimmt zum Einsatz als Hoch- in SW, TV, and VSW' FM broadcast trans- frequenz-Kraftverstärker oder Oszillator mitters, as well as in communication trans- in Kurzwellen-, Fernseh- und UKW.-Rund- mitters operating at frequencies lower than funksendern mit Frequenzmodulation, so- 100 Mc/s. wie für Sender des Nachrichtenwesens, die auf niedrigeren Frequenzen als 100 MHz arbeiten.



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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	13 V	Nominal or midpoint of published heater range
Heater current	260 A	Nominal or midpoint of published heater range

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode dissipation	50000 W	Published tube rating

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitance Czt/k	170 pF	Published source value
Interelectrode capacitance Ca/k	2 pF	Published source value
Interelectrode capacitance Ca/zi	52 pF	Published source value



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	12–14 V	—
Heater current	260 A	—
Cooling water flow	1.6 L/min	Cooling

TUBE TINKER

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