



ELECTRONIC TUBE REFERENCE

RA7YB

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Water-cooled directly heated high-vacuum half-wave rectifier diode for high-voltage industrial systems. Rated for approximately 55 kV peak inverse voltage and 7 A average output.

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 Rectifier	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	20000 W
PEAK INVERSE VOLTAGE	55000 V
NOMINAL OUTPUT CURRENT	7 A
<i>Published maximum ratings and characteristics promoted from the approved source.</i>	

Water-cooled directly heated high-vacuum rectifying diode for high-voltage industrial rectifiers.



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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	18–21 V	Published range
Heater Current	110 A–130 A	Published range
Maximum Peak Inverse Voltage	55000 V	Rectifier



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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	18–21 V	—
Heater current	110 A–130 A	—
Cooling-water flow	60 L/min	1.5 kg/cm2 pressure

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Emission current	20 A	—

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

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