



ELECTRONIC TUBE REFERENCE

RA025B

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated single-anode high-vacuum rectifier diode for high-voltage AC rectifier systems. Rated for approximately 60 kV peak inverse voltage and 250 mA nominal output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.5 V / 9.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PLATE RESISTANCE	500 Ω
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	100 W
PEAK INVERSE VOLTAGE	60000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	850 mA
Published values promoted where clearly readable; identical repeated sections compressed when applicable.	

Single-anode high-vacuum rectifier diode intended for high-voltage alternating-current 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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5.5 V	Published nominal value or midpoint of published range
Heater current	9.25 A	Published nominal value or midpoint of published range



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 option	5 V	Supplied by customer request
Heater current	10 A	For 5 V version
Heater voltage option	6 V	Supplied by customer request
Heater current	8.5 A	For 6 V version

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum emission current	1.2 A	—