



ELECTRONIC TUBE REFERENCE

RA05A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Single-anode high-vacuum half-wave rectifier for high-voltage AC systems. Rated for approximately 60 kV peak inverse voltage, 700 mA average output, and 3 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 32 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PLATE RESISTANCE	350 Ω
MAXIMUM PLATE VOLTAGE	25000 V
MAXIMUM PLATE DISSIPATION	200 W
PEAK INVERSE VOLTAGE	60000 V
NOMINAL OUTPUT CURRENT	700 mA
PEAK FORWARD CURRENT	3 A
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	6 V	Published nominal value or midpoint of published range
Heater current	32 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
Maximum heater voltage	6.25 V	—
Minimum heater voltage	5.75 V	—
Heater current	<32 A	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum emission current	4.5 A	—

TUBE TINKER

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