



ELECTRONIC TUBE REFERENCE

266B

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated half-wave mercury-vapor rectifier for high-voltage power supplies. Rated for approximately 22 kV peak inverse voltage and 40 A peak current with the low arc drop characteristic of mercury vapor.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 30 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	22000 V
NOMINAL OUTPUT CURRENT	5 A
PEAK FORWARD CURRENT	40 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	300 s
22 kV PIV applies with condensed mercury 20–40 C; 12.5 kV for 20–50 C. Peak/average cathode-current ratings depend on in-phase vs quadrature operation.	

Half-wave mercury-vapor rectifier for high-voltage power-supply service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Mercury vapor	—
Peak voltage drop typical	15 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 200s

Published test conditions and operating points. Values on this page are preserved as reported by this source.

2026 WESTERN ELECTRIC 200S

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Current	42 A–46 A	At5.0V
Maximum Peak Inverse Anode Voltage	22000 V	CondensedMercuryTemperature=20to40C
Maximum Peak Inverse Anode Voltage	12500 V	CondensedMercuryTemperature=20to50C
Peak Cathode Current	20 A	InPhaseOperation
Peak Cathode Current	40 A	QuadratureOperation
Average Cathode Current	5 A	InPhaseOperation
Average Cathode Current	10 A	QuadratureOperation

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Surge Cathode Current	200 A	MaxDuration=0.2s
Frequency	150 Hz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage Drop	15 V	—
CriticalAnodeVoltage	100 V	—

TUBE TINKER

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