



ELECTRONIC TUBE REFERENCE

5561

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

High-current mercury-vapor half-wave rectifier for transmitting and industrial supplies. Its massive heater and low mercury-arc voltage support several amperes at high voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 10 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	4 A
PEAK FORWARD CURRENT	16 A
FORWARD VOLTAGE DROP	15 V
<i>half-wave mercury-vapor rectifier</i>	

High-current mercury-vapor half-wave rectifier with dual operating ratings.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	5 V	—
HeaterOrFilamentCurrent	10 A	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gas filling	Mercury vapor	—
Heating time minimum	5 min	—



1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7
Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Anode Voltage, Continuous Service	3000 V	Mercury-vapor half-wave rectifier
Peak Inverse Anode Voltage, Welder-Control Service	10000 V	Mercury-vapor half-wave rectifier
Average Anode Current, Continuous Service	6.4 A	Mercury-vapor half-wave rectifier
Average Anode Current, Welder-Control Service	4 A	Mercury-vapor half-wave rectifier
Surge Anode Current, 0.1 s	200 A	Mercury-vapor half-wave rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Voltage Drop	15 V	Mercury-vapor half-wave rectifier
Minimum Heating Time	5 min	Mercury-vapor half-wave rectifier

TUBE TINKER

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