



ELECTRONIC TUBE REFERENCE

8008

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Mercury-vapor half-wave rectifier for transmitting and industrial power supplies. Rated for approximately 10 kV peak inverse voltage and 1.25 A average output with a low mercury-vapor arc drop.

GENERAL CHARACTERISTICS

BASE DESIGNATION	2P	BASE PINS	4
NOMINAL HEATER	5 V / 7.5 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	1.25 A
FORWARD VOLTAGE DROP	15 V
<i>Mercury-vapor rectifier maximum inverse-voltage and average-anode-current ratings promoted from the source.</i>	

The RCA 8008 is a mercury-vapor half-wave rectifier for transmitting and industrial power supplies, rated to 10 kV PIV and 1.25 A average current.



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	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	150 Hz	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Inverse Voltage	10000 V	—
Maximum Average Anode Current	1.25 A	—



1971 Machlette Laboratories

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

1971 MACHLETTE LABORATORIES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse anode voltage	10000 V	—
Maximum average anode current	1.25 A	—

TUBE TINKER

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