



ELECTRONIC TUBE REFERENCE

3B24W

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated half-wave high-vacuum rectifier with thoriated-tungsten filament and flexible filament connections. Its high inverse-voltage capability suits specialized high-voltage supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8EA	BASE PINS	4
NOMINAL HEATER	2.5 V / 3 A	PARALLEL HEATER	2.5 V / 6 A
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	60 mA
PEAK FORWARD CURRENT	300 mA
WARM-UP TIME	2 s
<i>Maximum rectifier values from catalog table.</i>	

Half-wave high-vacuum rectifier with thoriated-tungsten filament, operable with half or full filament and with series/parallel filament connections.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	5 V	Published nominal value
Heater or filament current	3 A	Published nominal value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	20000 V	Published rectifier rating
DC output current	60 mA	Published rectifier rating
Peak forward current	300 mA	Published rectifier rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak inverse voltage	20000 V	—
Maximum peak plate current	150 mA	—
Maximum DC output current	30 mA	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage option	2.5 V	—
Filament current	6 A	2.5 V option
Filament voltage option	5 V	—
Filament current	3 A	5.0 V option
Peak anode current	300 mA	—
Mean anode current	60 mA	—

TUBE TINKER

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and their source documents.

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