



ELECTRONIC TUBE REFERENCE

5993

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Bendix Red Bank miniature full-wave high-vacuum rectifier for aircraft, military, and industrial service. Rugged heater, cathode, and mount construction emphasize long life and resistance to shock and vibration.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier

MAXIMUM PLATE VOLTAGE	180 V
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Published characteristics and ratings promoted where clearly recoverable from source.

SECTION2 Rectifier

MAXIMUM PLATE VOLTAGE	180 V
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Second physical rectifier section; electrical properties populated from applicable published ratings.

This miniature, full-wave, high-vacuum rectifier is one of the Bendix Red Bank line of reliable vacuum tubes specifically designed for aircraft, military and industrial applications where freedom from early failures, long service life, and uniform operating characteristics are extremely important. Each tube is given a 45-hour run-in under various overload, vibration, and shock conditions likely to be encountered in service. This run-in serves to reduce early failures by eliminating tubes with any minor defects that might lead to failure under actual operating conditions. Heavy gauge heater construction together with a pure alumina insulator reduces the likelihood of heater failure. A large area cathode operating at moderate

temperatures gives longer service life and freedom from arc-overs. A four-pillar mount structure provides a strong assembly that will stand up under extreme conditions of vibration and shock. The tube requires a 9-pin miniature socket and can be mounted in any position. Adequate ventilation should be provided.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Bendix

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

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Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6 V	Published datasheet value; see source context.
Plate Voltage	180 V	Published datasheet value; see source context.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Current	800 mA	Published datasheet value; see source context.
Plate Current	230 mA	Published datasheet value; see source context.

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Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6 V	Published datasheet value; see source context.
Plate Voltage	180 V	Published datasheet value; see source context.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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