



ELECTRONIC TUBE REFERENCE

5834

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Industrial half-wave power rectifier for relatively high-current conversion, providing approximately 2 A average output with a low conducting voltage drop.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM CATHODE CURRENT	2 A
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	2 A
PEAK FORWARD CURRENT	10 A
FORWARD VOLTAGE DROP	9 V

5834 industrial power rectifier tube.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 National Electronics

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

1957 NATIONAL ELECTRONICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC output current	2 A	—
Maximum instantaneous output current	10 A	—
Maximum peak inverse voltage	900 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	20 s	—
Typical arc drop	9 V	—
Typical anode starting voltage	16 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Mercury vapor	—