ELECTRONIC TUBE REFERENCE

5835

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated industrial half-wave power rectifier for high-current AC-to-DC conversion, providing approximately 3 A nominal output with low forward voltage drop.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	2.5 V / 11 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

MAXIMUM CATHODE CURRENT	3 A
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	12 A
FORWARD VOLTAGE DROP	11 V

5835 industrial power rectifier tube.

SOURCE OPERATING CONDITIONS

1957 National Electronics

SOURCE PDF

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	**3 A**	—
Maximum instantaneous output current	**12 A**	—
Maximum peak inverse voltage	**900 V**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Filament heating time	**40 s**	—
Typical arc drop	**11 V**	—
Typical anode starting voltage	**30 V**	—

CONSTRUCTION		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Filling	**Mercury vapor**	—

TUBE TINKER

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