



ELECTRONIC TUBE REFERENCE

7786

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-current directly heated industrial power rectifier. Rated for approximately 920 V peak inverse voltage, 6.4 A DC output, and 80 A peak current with a low conducting voltage drop.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 21 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	6.4 A
PEAK INVERSE VOLTAGE	920 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	80 A
FORWARD VOLTAGE DROP	10 V

7786 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	6.4 A	—
Maximum instantaneous output current	80 A	—
Maximum peak inverse voltage	920 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	60 s	—
Typical arc drop	10 V	—
Typical anode starting voltage	20 V	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Inert gas	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Industrial power rectifier	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

