



ELECTRONIC TUBE REFERENCE

7017

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated industrial power rectifier for high-current DC supplies. Its massive filament provides several amperes of output for heavy power-conversion equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 17 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM CATHODE CURRENT	6.4 A
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	25.6 A
FORWARD VOLTAGE DROP	10 V

7017 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	25.6 A	—
Maximum peak inverse voltage	900 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament heating time	40 s	—
Typical arc drop	10 V	—
Typical anode starting voltage	10 V	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Argon/mercury vapor	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Industrial power rectifier	—

TUBE TINKER

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and their source documents.

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