



ELECTRONIC TUBE REFERENCE

6930

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated mercury-vapor half-wave rectifier for industrial power conversion. Its massive filament, multiampere output, and low arc voltage suit low-voltage heavy-current DC supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 18 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	77 A
FORWARD VOLTAGE DROP	9 V
<i>Representative electrical section; promoted fields and additional published ratings are mapped from the approved source where applicable.</i>	

Half-wave mercury-vapor rectifier for industrial power-rectifier service, designed for applications requiring approximately 250 volts DC.



SOURCE OPERATING CONDITIONS

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	150 Hz	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heating time	3 min	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Fault current	770 A	—
Maximum frequency	150 Hz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc drop	9 V	20APeak

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

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