

ELECTRONIC TUBE REFERENCE

XD27

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-vacuum diode for high-voltage rectifier, charging, clipper, and modulator service. Rated for approximately 30 kV peak inverse voltage, 3 A DC output, and 75 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	13 V / 36 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	75 A
Published ratings and characteristics promoted where directly established; additional values retained as parameters.	

XD27 is a high-vacuum diode for high-voltage rectifier, charging, clipper, and/or modulator service as specified in the datasheet.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Central Electronics

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

195X CENTRAL ELECTRONICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	13 V	Published datasheet value
Heater/Filament Current	36 A	Published datasheet value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Central Electronic Tubes

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

1960 CENTRAL ELECTRONIC TUBES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier filament voltage	13 V	—
Rectifier filament current	36 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	30000 V	—
Average anode current	3 A	—
Peak anode current	75 A	—
Clipper filament voltage	14.5 V	—
Clipper filament current	40 A	—
Clipper peak anode current	150 A	—

TUBE TINKER

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and their source documents.

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