



ELECTRONIC TUBE REFERENCE

XD66W

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Water-cooled directly heated high-vacuum diode for very-high-voltage rectifier and clipper service. Rated for approximately 80 kV peak inverse voltage with substantial documented peak-current capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	15 V / 36 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	12000 W
PEAK INVERSE VOLTAGE	80000 V
PEAK FORWARD CURRENT	10 A

The XD66W is a water-cooled high-vacuum diode for rectifier and clipper service.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	80000 V	—
Peak anode current	10 A	—
Anode dissipation	12000 W	—
Clipper filament voltage	16.2 V	—
Clipper filament current	39 A	—
Clipper peak anode current	160 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	15 V	—
Filament current	36 A	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—

TUBE TINKER

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and their source documents.

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