



ELECTRONIC TUBE REFERENCE

6898

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Forced-air-cooled high-vacuum diode for airborne radar modulators, serving as rectifier, charging diode, or clipper. High inverse voltage and substantial current suit demanding pulse systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	16000 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	630 mA
<i>Published electrical limits and characteristics promoted from the approved source. Values without an applicable promoted column are retained in TUBE_SECTION_PARAMETER.</i>	

Forced-air-cooled high-vacuum diode for airborne radar modulators, serving as rectifier, charging diode, or clipper diode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	5 V	Nominal
HeaterCurrentNominal	8 A	Nominal
Maximum Peak Inverse Voltage	16000 V	—
AverageOrDCOutputCurrent	200 mA	—
MaximumPeakForwardCurrent	630 mA	—
ClipperPeakCurrentMaximum	20 A	5-second maximum
ChargingDiodePeakCurrentMaximum	600 mA	—
AirFlowRequired	5 cfm	Forced-air cooling

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Heating Time	120 s	—