

ELECTRONIC TUBE REFERENCE

297A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated special-purpose rectifier diode for low-current applications. Rated for approximately 250 V peak inverse voltage, 10 mA DC output, and 60 mA peak-current capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	1.75 V / 350 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	250 V
NOMINAL OUTPUT CURRENT	10 mA
PEAK FORWARD CURRENT	60 mA
FORWARD VOLTAGE DROP	20 V
WARM-UP TIME	2 s
Thyratron; published conduction ratings mapped to applicable rectifier-like fields.	

Special-purpose directly heated diode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	1.75 V	—
HeaterOrFilamentCurrent	350 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 200s

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

2026 WESTERN ELECTRIC 200S

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Time Averaging Anode Current	0.5 s	—
Maximum Instantaneous Grid Current	10 mA	—
Operating Temperature Minimum	-20 C	—
Operating Temperature Maximum	50 C	—
Nominal Deionization Time	100 us	—