



ELECTRONIC TUBE REFERENCE

327A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Western Electric tungsten-filament argon-filled half-wave rectifier for AC-to-DC conversion and battery charging, providing approximately 2 A DC output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	3
NOMINAL HEATER	2 V / 12 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	275 V
NOMINAL OUTPUT CURRENT	2 A
PEAK FORWARD CURRENT	6 A
FORWARD VOLTAGE DROP	8 V
<i>Published half-wave rectifier ratings.</i>	

Western Electric 327A is a half-wave tungsten-filament argon-filled rectifier for supplying direct current from an AC source, including battery-charging service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition voltage at 60 Hz	7–16 V	60Hz

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum output voltage	75 V	HalfWaveOrFullWave

TUBE TINKER

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