



ELECTRONIC TUBE REFERENCE

214E

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated two-element thermionic rectifier for substantial DC power systems. Its heavy filament supports industrial half-wave AC-to-DC conversion at hundreds of volts.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE VOLTAGE	750 V
<i>Promoted fields mapped from published ratings/characteristics; additional published values preserved in parameter table.</i>	

Two-element thermionic rectifier for systems supplying direct-current voltages up to 750 volts.

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
Normal filament current	3.25 amperes	Normal filament current 3.25 ± 0.15 amperes
Normal filament voltage	10 volt	Normal filament voltage 10 volts
This is a two element tube used in rectifying systems to supply B.C. voltages up to	750 volt	This is a two element tube used in rectifying systems to supply B.C. voltages up to 750
Two tubes used for rectifying a single phase A.C. supply voltage will give	150 volt	Two tubes used for rectifying a single phase A.C. supply voltage will give .150 ampere
B.C. plate output at	750 volts	B.C. plate output at 750 volts.
the desired output and should not exceed	10 volts	the desired output and should not exceed 10 volts.
for from	10 volt	for from 10 to 30 minutes. No voltage should be applied to the plate during this reactivation.