



ELECTRONIC TUBE REFERENCE

263B

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Double-anode full-wave mercury-vapor rectifier for higher-current power supplies. Its two rectifier paths each support substantial peak current with the low forward voltage drop characteristic of mercury-vapor conduction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	2
NOMINAL HEATER	2.5 V / 15 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK FORWARD CURRENT	10 A
FORWARD VOLTAGE DROP	10 V
<i>Representative row for two identical rectifier paths sharing a common cathode. Source publishes recommended 100 V between anodes, 10 A peak space current, and 5-20 V conducting drop range; no explicit PIV maximum is stated on target sheet.</i>	

SECTION2 Rectifier	
PEAK FORWARD CURRENT	10 A
FORWARD VOLTAGE DROP	10 V
<i>Second physical rectifier section added for full-wave/double-anode structure.</i>	

Double half-wave mercury-vapor rectifier using two anodes in one bulb. It provides higher voltage and current capability than the corresponding 263A argon-filled rectifier for power-supply applications.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RecommendedPotentialBetweenAnodes	100 V	—
PeakSpaceCurrent	10 A	—
RequiredHeatingTime	120 s	—
LoadCurrent	6 A	SinglePhaseDoubleHalfWave;1Tube;LoadPotential=25V
LoadCurrent	15 A	ThreePhaseY;3Tubes;LoadPotential=40V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeCathodeVoltageDrop	10 V	Approximate
AnodeCathodeVoltageDrop	5–20 V	PublishedRange

2026 WESTERN ELECTRIC 200S

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RecommendedPotentialBetweenAnodes	100 V	—
RecommendedPotentialBetweenAnodes	100 V	—
PeakSpaceCurrent	10 A	—
PeakSpaceCurrent	10 A	—
RequiredHeatingTime	120 s	—
RequiredHeatingTime	120 s	—
LoadCurrent	6 A	SinglePhaseDoubleHalfWave;1Tube;LoadPotential=25V
LoadCurrent	6 A	SinglePhaseDoubleHalfWave;1Tube;LoadPotential=25V
LoadCurrent	15 A	ThreePhaseY;3Tubes;LoadPotential=40V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
LoadCurrent	15 A	ThreePhaseY;3Tubes;LoadPotential=40V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeCathodeVoltageDrop	10 V	Approximate
AnodeCathodeVoltageDrop	10 V	Approximate
AnodeCathodeVoltageDrop	5–20 V	PublishedRange
AnodeCathodeVoltageDrop	5–20 V	PublishedRange