



ELECTRONIC TUBE REFERENCE

266C

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Air-cooled directly heated half-wave mercury-vapor rectifier for high-power supplies. Rated for approximately 22 kV peak inverse voltage, 5 A DC output, and 40 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 42 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	22000 V
NOMINAL OUTPUT CURRENT	5 A
PEAK FORWARD CURRENT	20 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	300 s
22 kV PIV is temperature-qualified; peak current uses quadrature maximum instantaneous anode current.	

Air-cooled half-wave mercury-vapor rectifier with an oxide-coated filament, rated for 22000 V peak inverse anode voltage.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	5 V	—
Filament Current	42 A	—
Peak Inverse Anode Voltage	22000 V	—
Maximum Peak Anode Current	20 A	InPhase
Maximum Average Anode Current	5 A	InPhase
Maximum Averaging Time	60 s	—
Maximum Peak Anode Current	40 A	Quadrature
Maximum Average Anode Current	10 A	Quadrature

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Condensed Mercury Temperature Range	25-40 °C	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumAverageAnodeCurrent	5 A	InPhase
MaximumAverageAnodeCurrent	10 A	Quadrature
MaximumInstantaneousAnodeCurrent	20 A	InPhase
MaximumInstantaneousAnodeCurrent	40 A	Quadrature

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#)[Tube types](#)[Full books](#)[Blog](#)[Feedback & corrections](#)

© 2026 Tube Tinker