ELECTRONIC TUBE REFERENCE

287A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated mercury-vapor rectifier for special-purpose power supplies. Rated for approximately 2.5 kV peak inverse voltage, 640 mA DC output, and 2.5 A peak current.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	5
NOMINAL HEATER	2.5 V / 7 A	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	2500 V
NOMINAL OUTPUT CURRENT	640 mA
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	10 s

Thyratron; published conduction ratings mapped to applicable rectifier-like fields.

Mercury-vapor special-purpose diode/rectifier.

SOURCE OPERATING CONDITIONS

1956 Western Electric Tubes

SOURCE PDF

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	**2.5 V**	—
HeaterOrFilamentCurrent	**7 A**	—

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

2026 Western Electric 200s

SOURCE PDF

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	**5 s**	—
Maximum Instantaneous Grid Current	**50 mA**	—
Operating Temperature Minimum	**30 C**	—
Operating Temperature Maximum	**80 C**	—
Nominal Deionization Time	**1000 us**	—

SOURCE OPERATING CONDITIONS

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

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak voltage between anode and grid	**2500 V**	—
Maximum instantaneous anode current	**1 A**	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Approximate tube voltage drop	**15 V**	Conducting

TUBE TINKER

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