

ELECTRONIC TUBE REFERENCE

7791

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated hydrogen-filled half-wave diode for high-voltage rectifier service. Rated for approximately 25 kV peak inverse voltage, 2 A DC output, and 8 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 15 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	25000 V
NOMINAL OUTPUT CURRENT	2 A
PEAK FORWARD CURRENT	8 A
FORWARD VOLTAGE DROP	45 V
Published ratings and characteristics mapped semantically; identical repeated sections compressed.	

Indirectly heated hydrogen-filled half-wave diode for high-voltage rectifier circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Heating Time	3 min	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HydrogenFilled	1	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Tung Sol Industrial Tubes

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

1965 TUNG SOL INDUSTRIAL TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	—
Heater current	15 A	—
Surge cathode current	60 A	0.1 second
Averaging time	15 s	—
Ambient temperature	-55–75 degC	—

TUBE TINKER

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