

ELECTRONIC TUBE REFERENCE

7793

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Forced-air-cooled hydrogen-filled half-wave diode for high-voltage rectifier, clipper, and backswing-diode service. Rated for approximately 30 kV peak inverse voltage, 4 A DC output, and 16 A peak current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	5 V / 21.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	4 A
PEAK FORWARD CURRENT	16 A
FORWARD VOLTAGE DROP	45 V
Published ratings and characteristics mapped semantically; identical repeated sections compressed.	

Hydrogen-filled half-wave diode for high-voltage rectifier, clipper, and backswing-diode applications, using forced-air cooling.



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	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ForcedAirFlow	50 cfm	AnodeStemCooling

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